I. Welcome

II. Approval of CUSA Minutes from 4/23/2013

III. Chair’s Report

IV. Dean’s Office Report

V. CLA&S Student Academic Services Report

VI. Subcommittee Chair Reports

A. Advising & Awards

B. Curricular Changes/Degree Requirements

1. Curricular Changes for Approval:
   NEW COURSES: BTEC 300, BTEC 330, BTEC 340, BTEC 341, BTEC 405, BTEC 424, BTEC 440, BTEC 441, BTEC 450, BTEC 460, BTEC 475, BTEC 494, BTEC 501, BTEC 541, BTEC 542, BTECH 545, BTEC 547, BTEC 599, EALC 518, HA 549, JWSH 124, JWSH 125, JWSH 321, JWSH 325, JWSH 523, JWSH 525, JWSH 526, JWSH 560, JWSH 570, MATH 119, MATH 120

   CHANGES: EALC 318, EALC 418, EALC 618, ENGL 530, EURS 512, HEBR 210, HEBR 220, HNRS 190, KOR 504, KOR 508, MATH 122, REL 124, REL 125, REL 311, REL 325, REL 523, REL 525, REL 526, REL 560, REL 571

2. Degree Requirements for Approval:
   a. Changes to Existing Major in Physics - BA
   b. Changes to Existing Major in Physics - BS
   c. Changes to Existing Major in Astronomy - BA
   d. Changes to Existing Major in Astronomy – BS
   e. Changes to Existing Major in Visual Art – BFA – General Option
   f. Changes to Existing Major in Visual Art – BFA – Metalsmithing/Jewelry Option
   g. Changes to Existing Major in Visual Art – BFA – Textiles/Fiber Options
   h. Changes to Existing Major in Visual Art – BFA – Ceramics
   i. Changes to Existing Major in Applied Behavioral Science
   j. New Degree - Major - Biotechnology – Bachelor of Applied Science
   k. Changes to Existing Major and Minor in East Asian Languages & Cultures – BA
   l. Changes to Existing Minor in Jewish Studies

C. Academic Standards Report

VII. Old Business:
   i. BA Lab Course Identification Process (attachment)
   ii. Transfer course equivalencies to KU Core report (attachment) – Larry
VIII. New Business:
    i. Ad-Hoc Committee Standard Nomination Course Recommendations (attachment)
    ii. Academic Standards Petition Processing Proposal (attachment)
    iii. Selection of the new CUSA chair

IX. Adjournment; Have a great summer!
COMMITTEE ON UNDERGRADUATE STUDIES AND ADVISING
Minutes of the Meeting for April 23, 2013

The committee met on Tuesday, April 23, 2013, at 11:00 a.m. in Room 210 Strong Hall. The following were present: Bayer, Bradley, Childers, Conrad, deBoer, Fillian, Hamilton, Hilding, Hurst, Jackson, Kelly, Ledom, Neidert, Pye, Rockey, Stetler
Guest: L. Furbeck, J. Johnson, C. Lang

Approval of CUSA Minutes: A motion was made to approve the April 9, 2013 meeting minutes of the Committee on Undergraduate Studies & Advising. The motion was seconded and passed unanimously.

Chair’s Report: The next CUSA meeting will be held on Tuesday, May 7, 2013. Professor Hurst congratulated Tim Jackson and Jay Childers who both earned promotion with tenure to associate professor.

Dean’s Office Report: No report at this time.

CLA&S Student Academic Services Report: No report at this time.

Subcommittee Chair Reports:

A. Advising & Awards
   The Advising & Awards Subcommittee has voted on scholarships.

B. Curricular Changes/Degree Requirements
   A motion to approve the Curricular Changes was seconded, and CUSA voted unanimously to approve with correction as shown below, the following changes:

   3. Curricular Changes Approved:
      CHANGES APPROVED: EALC 330*, EALC 530, HIST 343, JWSH 300, JWSH 361, JWSH 490, JWSH 491, REL 377,
      DELETIONS APPROVED: DANC 340, DANC 370

      *EALC 330 correction: should read: Chinese literature and culture

   A motion to approve the Degree Requirements was seconded, and CUSA voted unanimously to approve a through d with correction as shown below. Degrees Requirements e through h were tabled at this time:

   4. Degree Requirements Approved:
      a. Changes to Existing Major in Dance - BA
      b. Changes to BFA/Minor in Dance
      c. Changes to BFA History of Art*
      d. Changes to Existing Major in Visual Art – BA
      e. Changes to Existing Major in Visual Art – BFA – Ceramics Option
      f. Changes to Existing Major in Visual Art – BFA – General Option
      g. Changes to Existing Major in Visual Art – BFA – Metalsmithing/Jewelry Option
      h. Changes to Existing Major in Visual Art – BFA – Textiles/Fiber Options

      *Changes to BFA History of Art – delete bullet point under Proposed: College electives including 6 hours in history (21)

   C. Academic Standards Report - No report at this time.

Old Business:
i. BGS Proposal Report
CAC tabled the BGS Proposal at this time.

ii. BGS Feedback Survey
Professor Hurst reported that the survey is going out to department chairs and
CUSA will discuss the results of the survey at the next meeting.

iii. Transfer course equivalencies to KU Core
Dr. Lee Furbeck spoke to CUSA about CredTran and coursework from other
institutions being transferred in to KU and the number of requests for transfer
coursework.

CUSA voted to approve the following:
• Motion to recommend that UCCC approve the following:
  o Approved unanimously to approve HR, HLE designated
courses for goal 2.1
  o Approved unanimously to approve NM2, NMM for goal 1.2
    and the second math for the BA
  o Approved unanimously to approve NW for goal 4.2
  o Approved unanimously to approve HR, NB, NBL, NE, NEL,
    NP, NPL, SI for goal 3
  o Approved unanimously to approve Labs for courses
designated with L

iv. BA Lab Courses
Tabled until next meeting.

New Business:

v. Ad-Hoc Committee Standard Nomination Course Recommendations
A motion to approve the Ad-Hoc Committee Nominations was seconded, and
CUSA voted unanimously to approve the recommended courses.

Adjournment 12:36 p. m.
B. Curricular Changes/Degree Requirements

1. Curricular Changes for Approval/Motion to File

BIOTECHNOLOGY

CHANGE: NEW COURSE
BTEC 300    INTRODUCTION TO BIOTECHNOLOGY  3  N
Review of techniques used in food, agricultural, pharmaceutical, industrial, and environmental biotechnology. Role of regulatory agencies during the discovery, development, and manufacture of new medical devices, biotechnology, biomedical, and pharmaceutical products. Guest presentations in biotechnology. Prerequisites: BIOL 416. LEC

CHANGE: NEW COURSE
BTEC 330    BIOTECHNOLOGY REGULATION AND DOCUMENTATION PROCESSES  3  N
Current good manufacturing practices (GMP) as they apply in the biotechnology workplace. History, rationale, purpose, and GMP requirements applicable to the manufacturing, packaging, labeling, testing, and control of pharmaceutical products, and consequences of inaction. Prerequisite: BTEC 300. LEC

CHANGE: NEW COURSE
BTEC 340    BIOTECHNOLOGY RESEARCH METHODS AND APPLICATIONS I  3  N
Introduction to fermentation and protein chemistry. Theory behind laboratory techniques and overview of industrial scale expression systems. Bacterial cell culture techniques, principles of fermenter operation and purification, documentation procedures, important tasks for clean room operations, including sanitization, sterilization, cleaning procedures, calibration, and environmental monitoring. Prerequisite: BTEC 300; BIOL 600. LEC

CHANGE: NEW COURSE
BTEC 341    PRINCIPLES OF BIOPROCESSING LABORATORY I  1  N
Laboratory sessions involve use of microbial expression vectors, fermentation systems, and large-scale purification of recombinant protein. Includes bacterial cell culture techniques, principles of bioreactor/fermentation operations and purification techniques, and calibration. Primary goal of this course is to provide students with an advanced background in bacterial upstream and downstream biotechnology. Prerequisites: BTEC 300; BTEC 340 or concurrent enrollment in BTEC 340. LAB

CHANGE: NEW COURSE
BTEC 405    MICROBIAL GENETICS LABORATORY  4  N
Research projects center on using molecular genetics to examine the biology of the bacterium Pseudomonas aeruginosa, an opportunistic pathogen often found in the lungs of cystic fibrosis patients. Students engage in independent projects to probe various aspects of P. aeruginosa physiology such as antibiotic resistance, phase variation, toxin production, secondary metabolite production, twitching motility, swarming behaviors, and more. Projects aim to discover the molecular basis for these processes using both classical and new, cutting-edge techniques. These include plasmid manipulation, genetic complementation, mutagenesis, PCR, DNA sequencing, enzyme assays, and gene expression studies. Prerequisite: BIOL 350; BIOL 402 LAB

CHANGE: NEW COURSE
BTEC 424    INDEPENDENT STUDY IN BIOTECHNOLOGY  1-3  N
Independent project at a related bioscience industry partner or faculty in selected topics of current translational research interest. May be undertaken only with the consent of the major advisor who will guide the research after determining objectives with the interested industry partner or faculty. Prerequisite: Consent of instructor. IND

CHANGE: NEW COURSE
BTEC 440    BIOTECHNOLOGY RESEARCH METHODS AND APPLICATIONS II  3  N
Theory and practicum behind laboratory techniques and overview of industrial scale expression systems of insect or mammalian protein chemistry. Cell culture techniques, principles of bioreactor operation and purification, documentation procedures, important tasks for clean room operations, including sanitization, sterilization, cleaning procedures, calibration, and environmental monitoring are evaluated. Prerequisites: BTEC 340; BTEC 341. LEC

CHANGE: NEW COURSE
BTEC 441  PRINCIPLES OF BIOPROCESSING LABORATORY II  1 N
Mammalian cell culture techniques, principles of bioreactor operations and purification techniques, and calibration. The primary goal of this course is to provide students with an advanced background in mammalian upstream and downstream biotechnology. Prerequisites: BTEC 341; BTEC 440 or concurrent enrollment in BTEC 440. LAB

CHANGE: NEW COURSE
BTEC 450  APPLIED BIOINFORMATICS  3 N
Overview of the fields of bioinformatics and genomics. Topics, tools, issues and current trends in these and related fields are discussed. Principles and practical application of bioinformatics tools in molecular biology and genetics are evaluated. The haploid human genome occupies a total of just over 3 billion DNA base pairs. This information is not contained in books, but stored in electronic databases. Computational biology utilizes infer function by comparative analysis. This course is designed for life scientists from all fields to introduce them to the power of bioinformatics and enable them to access and utilize biological information in databases for their own research. Prerequisites: BTEC 300; BIOL 570 or MATH 365 or PSYC 210. LEC

CHANGE: NEW COURSE
BTEC 460  INTRODUCTION TO QUALITY CONTROL/QUALITY ASSURANCE IN BIOTECHNOLOGY  3 N
Quality control techniques, assurance issues, and management methods. Quality in design and planning, in the constructed project, and in production of goods and services. Prerequisites: BTEC 330. LEC

CHANGE: NEW COURSE
BTEC 475  BIOSEPARATIONS LABORATORY  2 N
Develop novel and effective strategies for extraction and purification of recombinant and native biomolecules by understanding constraints posed by the biological system and the products. Research projects are geared toward developing cost-effective processes for recovery of industrial and biopharmaceutical products derived from a variety of native and/or transgenic sources. Prerequisites: BTEC 405; BTEC 441 LAB

CHANGE: NEW COURSE
BTEC 494  SELECTED TOPICS IN BIOTECHNOLOGY  1 N
Course work varies with the topic of the seminar. The preparation and presentation of oral reports on selected topics from recent translational research literature. Students may choose one interest group each semester, but may enroll in a given interest group only once. May be repeated for credit when topics vary. Prerequisite: BTEC 300 and approval of instructor. LEC

CHANGE: NEW COURSE
BTEC 501  ETHICAL ISSUES IN BIOTECHNOLOGY  1 N
Student investigations and discussions of current controversial issues in biotechnology. This course emphasizes thinking about new technologies in a rational and thoughtful way. Prerequisite: BTEC 300. LEC

CHANGE: NEW COURSE
BTEC 541  GENE EXPRESSION ANALYSIS: MICROARRAYS  2 N
This course reviews current theory, techniques, instrumentation, troubleshooting, analysis tools, and advanced protocols for microarray analysis. Students have the opportunity to utilize skills learned during lecture in a laboratory environment. At the conclusion of this
course, students understand microarray experimental design, its tools, and analysis of generated data. Prerequisites: BTEC 300. LAB

CHANGE: NEW COURSE
BTEC 542  PROTEIN EXPRESSION IN INSECT CELLS  2  N
Introduction to the insect cells expression system, and its advantages and disadvantages. Introduction to expression of recombinant proteins with baculovirus. Outline of antibody and antibody fragments as well as other complex proteins. Basic techniques used for growth and maintenance of insect cell cultures. The lab portion of the course provides students with practical experience in protein expression techniques in the insect cells expression system. Prerequisites: BTEC 300. LAB

CHANGE: NEW COURSE
BTEC 545  RNA INTERFERENCE AND MODEL ORGANISMS  2  N
Introduction and history of RNA interference technology. Principles, mechanism, and applications of RNA interference in model organisms. Laboratory sessions include RNA interference-mediated silencing of genes in plants, C. elegans, and mammalian cell culture. Prerequisites: BTEC 300. LAB

CHANGE: NEW COURSE
BTEC 547  BIOANALYTICAL LAB  2  N
Analytical methods used for testing biotherapeutics are examined. Emphasis is placed on assessing protein concentration, purity, identity and activity. The importance of sample processing, throughput and level of validation are explored as samples from upstream processing, downstream processing and final bulk are interrogated. Students also learn key concepts used to validate the performance of analytical methods. Prerequisites: BTEC 300. LAB

CHANGE: NEW COURSE
BTEC 599  BIOTECHNOLOGY CAPSTONE EXPERIENCE  3  N
Supervised internship at a biotech company; or an independent thesis; or honors thesis with Honors Program. Prerequisites: BTEC 441 and approval of instructor. FLD

EAST ASIAN LANGUAGES AND CULTURES

CHANGE: COURSE DESCRIPTION
EALC 318  MODERN CHINESE LITERATURE IN TRANSLATION  3  H
(OLD) A general survey of the important writers of the 20th century and their works. Lectures, readings, and discussions in English. A knowledge of Chinese is not required. (Not open to students with credit in EALC 718.)
EALC 318  MODERN CHINESE FICTION AND FILM  3  H
(NEW) A general survey of important Chinese fiction and film of the 20th century. Lectures, readings, and discussions in English. Knowledge of Chinese is not required. Not open to students with credit in EALC 518. This course is taught at the 300 and 500 levels with additional assignments at the 500-level. LEC

CHANGE: TITLE DESCRIPTION
EALC 418  SEXUAL POLITICS IN DYNASTIC CHINA  3  H
(OLD) This course uses myth, literature, history, biography, and other documents to discuss sexual politics in China from ca 1500 B.C.E. to the end of the last dynasty in 1911. Topics include: emperors, empresses, and consorts, polygamy, prostitution, love, yin and yang cosmology, the art of the bedchamber, women's literature, and erotic literature. Recommended: A course in East Asian studies. Not open to students who have taken EALC 618. LEC
EALC 418  SEXUAL POLITICS IN CHINESE LITERATURE AND CULTURE: PREMODERN TIMES  3  H

(NEW)
This course uses myth, literature, history, biography, and other documents to discuss
sexual politics in China from ca 1500 B.C.E. to the end of the last dynasty in 1911.
Topics include: emperors, empresses, and consorts, polygamy, prostitution, love, yin and
yang cosmology, the art of the bedchamber, women's literature, and erotic literature.
Recommended: A course in East Asian studies. Not open to students who have taken
EALC 618. This course is taught at the 400 and 600 levels with additional assignments at
the 600-level. LEC

CHANGE: NEW COURSE
EALC 518 MODERN CHINESE FICTION AND FILM  3  H
A general survey of important Chinese fiction and film of the 20th century. Lectures,
readings, and discussions in English. Knowledge of Chinese is not required. Not open to
students with credit in EALC 318. This course is taught at the 300 and 500 levels with
additional assignments at the 500-level. Prerequisite: An introductory East Asian studies
course such as ECIV 104/304 or EALC 105; or consent of instructor. LEC

CHANGE: PREREQUISITE  TITLE  DESCRIPTION
EALC 618 SEXUAL POLITICS IN DYNASTIC CHINA  3  H
(OLD)
This course uses myth, literature, history, biography, and other documents to discuss
sexual politics in China from ca 1500 B.C.E. to the end of the last dynasty in 1911.
Topics include: emperors, empresses, and consorts, polygamy, prostitution, love, yin and
yang cosmology, the art of the bedchamber, women's literature, and erotic literature.
More extensive writing requirement than 418. Recommended: A course in East Asian
studies. Not open to students who have taken EALC 418.  This course is taught at the
400 and 600 levels with additional assignments at the 600-level. LEC

EALC 618 SEXUAL POLITICS IN CHINESE LITERATURE AND CULTURE: PREMODERN
TIMES  3  H
(NEW)
This course uses myth, literature, history, biography, and other documents to discuss
sexual politics in China from ca 1500 B.C.E. to the end of the last dynasty in 1911.
Topics include: emperors, empresses, and consorts, polygamy, prostitution, love, yin and
yang cosmology, the art of the bedchamber, women's literature, and erotic literature.
Prerequisite: A course in East Asian studies. Not open to students who have taken EALC
418. This course is taught at the 400 and 600 levels with additional assignments at the
600-level. LEC

CHANGE: CREDIT
KOR 504 ADVANCED MODERN KOREAN I  1-5  H
(OLD)
Readings in and discussion of selected modern Korean texts on various topics: history,
literature, society, and language. Prerequisite: KOR 208 or equivalent. LEC
Readings in and discussion of selected modern Korean texts on various topics: history,
literature, society, and language. Prerequisite: KOR 208 or equivalent. LEC

KOR 504 ADVANCED MODERN KOREAN I  4  H
(NEW)
Readings in and discussion of selected modern Korean texts on various topics: history,
literature, society, and language. Prerequisite: KOR 208 or equivalent. LEC

CHANGE: CREDIT
KOR 508 ADVANCED MODERN KOREAN II  1-5  H
(OLD)
Readings and analysis of modern or contemporary texts from various fields. Includes
oral discussion and written essays. Prerequisite: KOR 504 or equivalent.

KOR 508 ADVANCED MODERN KOREAN II  4  H
(NEW)
Readings and analysis of modern or contemporary texts from various fields. Includes
oral discussion and written essays. Prerequisite: KOR 504 or equivalent.

CHANGE: PREREQUISITE
ENGL 530 IRISH LITERATURE AND CULTURE:  3  H
(OLD)
Study of topics in Irish literature and culture. Topics may focus on a particular genre,
theme, historical period or group of authors. May be repeated for credit as the topic
changes. (Same as EURS 512.) Prerequisite: Prior completion of the freshman-
sophomore English requirement or its equivalent. LEC

ENGLISH
ENGL 530  IRISH LITERATURE AND CULTURE: _____ 3 H
(NEW) Study of topics in Irish literature and culture. Topics may focus on a particular genre, theme, historical period, or group of authors. May be repeated for credit as the topic changes. (Same as EURS 512.) Prerequisite: Prior completion of at least one 300- or 400-level English course. LEC

EUROPEAN STUDIES

CHANGE: PREREQUISITE
EURS 512  IRISH LITERATURE AND CULTURE: _____ 3 H
(OLD) Study of topics in Irish literature and culture. Topics may focus on a particular genre, theme, historical period, or group of authors. May be repeated for credit as the topic changes. (Same as ENGL 530.) Prerequisite: Prior completion of the freshman-sophomore English requirement or its equivalent. LEC
EURS 512  IRISH LITERATURE AND CULTURE: _____ 3 H
(NEW) Study of topics in Irish literature and culture. Topics may focus on a particular genre, theme, historical period, or group of authors. May be repeated for credit as the topic changes. (Same as ENGL 530.) Prerequisite: Prior completion of at least one 300- or 400-level English course. LEC

HEBREW

CHANGE: CREDIT
HEBR 210  INTERMEDIATE ISRAELI HEBREW  5 H
(OLD) Further development of language skills: listening comprehension, oral efficiency, intermediate grammar and syntax, reading and writing. Note: Students with other previous experience in Hebrew must take a placement exam. Prerequisite: HEBR 120. LEC
HEBR 210  INTERMEDIATE ISRAELI HEBREW  3 H
(NEW) Further development of language skills: listening comprehension, oral efficiency, intermediate grammar and syntax, reading and writing. Note: Students with other previous experience in Hebrew must take a placement exam. Prerequisite: HEBR 120. LEC

CHANGE: CREDIT
HEBR 220  INTERMEDIATE ISRAELI HEBREW II  5 H
(OLD) A continuation of HEBR 210. Note: Students with other previous experience in Hebrew must take a placement exam. Prerequisite: HEBR 210. LEC
HEBR 220  INTERMEDIATE ISRAELI HEBREW II  3 H
(NEW) A continuation of HEBR 210. Note: Students with other previous experience in Hebrew must take a placement exam. Prerequisite: HEBR 210. LEC

HISTORY OF ART

CHANGE: NEW COURSE
HA 549  CHINESE PAINTING  3 H
An introductory survey of painting in China from the 7th through the 19th centuries. Prerequisite: One course in art history, or in east asianlanguages & cultures; or consent of instructor.

HONORS

CHANGE: COURSE DESCRIPTION  TITLE
HNRS 190  FRESHMAN HONORS TUTORIAL  1 U
(OLD) The course provides an opportunity to gain effective exposure to intellectual values and methods under faculty guidance in a small seminar setting. The aims of the Freshman Honors Tutorial are: (1) to introduce students to key intellectual perspectives germane to the instructor’s discipline; (2) to introduce students to some of the resources and methods
available to scholars in the discipline; (3) to build a sense of community among honor freshmen from all across the campus. Required of all freshman honors students, open only to freshmen in the University Honors Program.

**HNRS 190 FRESHMAN HONORS SEMINAR  1 U**

This seminar serves as an introduction to the Honors Program, the resources offered by the University of Kansas and a specific academic areas of interest within a broad theme shared by the Freshman Seminars. While closely examining a topic, students develop their skills in research, reading, writing and in-depth discussion. The instructor of the student’s seminar also serves as the academic honors advisor for the enrolled students. All Freshman Seminars cover the same broad theme. Required of all freshman Honors students, open only to freshmen in the University Honors Program.

**JUDAIC STUDIES**

CHANGE: NEW CROSS-LISTED COURSE

**JWSH 124 UNDERSTANDING THE BIBLE  3 HR  H**

An introduction to the literature of the Bible, exploring the relationships among the various types of literature present and the function of each type in the history and religious life of the people who produced and used them. Cannot be taken concurrently with REL 311/JWSH 321 or REL 315. Not open to students who have taken REL 125/JWSH 125. (Same as REL 124) LEC

CHANGE: NEW CROSS-LISTED COURSE

**JWSH 125 UNDERSTANDING THE BIBLE, HONORS  3 H, HR**

An introduction to the literature of the Bible, exploring the relationships among the various types of literature present and the function of each type in history and religious life of the people who produced and used them. Open only to students in the University Honors Program or by permission of instructor. Not open to students who have taken REL 124 / JWSH 124. (Same as REL 125) LEC

CHANGE: NEW CROSS-LISTED COURSE

**JWSH 321 RELIGION OF ANCIENT ISRAEL  3 H**

A study of the development of the Hebrew Bible from its earliest stages of oral tradition to its canonization with an emphasis on the relationship of the historical, intellectual, and cultural contexts shaping that development. Prerequisite: REL 124 / JWSH 124 or permission of instructor. (Same as REL 311) LEC

CHANGE: NEW CROSS-LISTED COURSE

**JWSH 325 INTRODUCTION TO JUDAISM  3 H**

Analyzes a selection of the core texts, teachings, and practices of Jewish religious traditions in terms of classical and contemporary understanding. (Same as REL 325) LEC

CHANGE: NEW CROSS-LISTED COURSE

**JWSH 523 THE DEAD SEA SCROLLS  3 H**

A study of the archeological evidence and texts from the Dead Sea area that provide primary evidence for Jewish religious belief and practice in the Greek and Roman periods (ca. 250 B.C.E. – 135 C.E.). Prerequisite: REL 124 /JWSH 124 or consent of instructor (Same as REL 523) LEC

CHANGE: NEW CROSS-LISTED COURSE

**JWSH 525 JEWS AND CHRISTIANS  3 H**

This course examines the ways Jews and Christians have interacted with and characterized one another at various points in their histories. Special emphasis is placed on the gradual separation of the two religious traditions in the 1st-4th centuries. Prerequisite: A previous course in Religious Studies or Jewish Studies; or consent of instructor. (Same as REL 525) LEC

CHANGE: NEW CROSS-LISTED COURSE

**JWSH 526 JEWISH HISTORY AND LITERATURE IN THE GREEK AND ROMAN PERIODS  3 H**
The history and literature of the Jewish people from the hellenistic period (late fourth century B.C.E. to the codification of the Mishnah 210 C.E.). Select texts from the Hebrew Bible, the so-called apocrypha and pseudepigrapha, the Qumran scrolls, Philo, Josephus, related early Christian texts, and Rabbinic texts will be studied. Prerequisite: REL 124 / JWSH 124 or permission of instructor. (Same as REL 526)

CHANGE: NEW CROSS-LISTED COURSE
JWSH 560 CLASSICAL AND CONTEMPORARY JEWISH THOUGHT 3 H
An introduction to individual Jewish thinkers and collective projects from Philo to the present, including The Talmud and Midrash, Middle Age and Early Modern Jewish philosophical and Talmudic rationalism and mysticism. Considers such thinkers as Spinoza, Cohen, Soloveitchik, Rosenzweig, and Levinas. Prerequisite: A previous course in Religious Studies or Jewish Studies; or consent of instructor. (Same as REL 560)

CHANGE: NEW CROSS-LISTED COURSE
JWSH 570 STUDIES IN JUDAISM 3 H
A study of the major intellectual sources of the Jewish tradition from the Mishna, Talmud, Midrash, prayerbook, philosophers, the Zohar, and the Shulchan Aruch. Prerequisite: A course in Religious Studies or Jewish Studies numbered 300 or above. (Same as REL 570)

MATHEMATICS

CHANGE: NEW COURSE
MATH 119 DIFFERENTIAL CALCULUS 4 N
Study of limits and derivatives of algebraic, trigonometric, exponential and logarithmic functions. Curve sketching, optimization and other applications of the derivative. Antiderivatives, Riemann sums, the definite integral, and the fundamental theorem of calculus. Intended to facilitate appropriate transfer credit and course placement. Open for only 1 hour credit to students with credit in MATH 115. Not open for credit to students with credit in MATH 116 or 121. Prerequisite: MATH 103 or MATH 104, or 3 years of college preparatory mathematics including trigonometry, with a score of 28 or higher on the enhanced ACT Mathematics exam.

CHANGE: NEW COURSE
MATH 120 INTEGRATION TECHNIQUES AND APPLICATIONS 1 U
A study of techniques and applications of integration. Techniques include integration by parts, integration by trigonometric substitution, integration by partial fractions and improper integrals. Applications of integration include area, volume, arc length, average value, and physical applications such as work and hydrostatic force. Not open for credit to students with credit in MATH 116 or 121. Prerequisite: MATH 119

CHANGE: COURSE DESCRIPTION PREREQUISITE
MATH 122 CALCULUS II 5 N, NM
(OLD) Continuation of MATH 121, emphasis on applications. Introduction to partial differentiation and multiple integration. Open only for three hours credit to students with credit in both MATH 121 and MATH 116. Prerequisite: MATH 121, MATH 141 or MATH 116. LEC

MATH 122 CALCULUS II 5 N, NM
(NEW) Sequences and series. Calculus of functions in polar and spherical coordinates. Three-dimensional vector geometry and vector-valued functions. Multivariable calculus: partial derivatives and multiple integration. Open only for three hours credit to students with credit in both MATH 121 and MATH 116. Prerequisite: MATH 121, MATH 141, MATH 116, or MATH 120. LEC
RELIGIOUS STUDIES

CHANGE: NEW REQUEST TO CROSS-LIST DESCRIPTION
REL 124 UNDERSTANDING THE BIBLE 3 H, HR
(OLD) An introduction to the literature of the Bible, exploring the relationships among the various types of literature present and the function of each type in the history and religious life of the people who produced and used them. Cannot be taken concurrently with REL 311 or REL 315. Not open to students who have taken REL 125. LEC
REL 124 UNDERSTANDING THE BIBLE 3 H, HR
(NEW) An introduction to the literature of the Bible, exploring the relationships among the various types of literature present and the function of each type in the history and religious life of the people who produced and used them. Cannot be taken concurrently with REL 311/JWSH 321 or REL 315. Not open to students who have taken REL 125/JWSH 125. (Same as JWSH 124) LEC

CHANGE: NEW REQUEST TO CROSS-LIST, DESCRIPTION
REL 125 UNDERSTANDING THE BIBLE, HONORS 3 H, HR
(OLD) An introduction to the literature of the Bible, exploring the relationships among the various types of literature present and the function of each type in history and religious life of the people who produced and used them. Open only to students in the University Honors Program or by permission of instructor. Not open to students who have taken REL 124. LEC
REL 125 UNDERSTANDING THE BIBLE, HONORS 3 H, HR
(NEW) An introduction to the literature of the Bible, exploring the relationships among the various types of literature present and the function of each type in history and religious life of the people who produced and used them. Open only to students in the University Honors Program or by permission of instructor. Not open to students who have taken REL 124 / JWSH 124. (Same as JWSH 125) LEC

CHANGE: NEW REQUEST TO CROSS-LIST, DESCRIPTION
REL 311 RELIGION IN ANCIENT ISRAEL 3 H W
(OLD) A study of the development of the Hebrew Bible from its earliest stages of oral tradition to its canonization with an emphasis on the relationship of the historical, intellectual, and cultural contexts shaping that development. Prerequisite: REL 124 or permission of instructor. LEC
REL 311 RELIGION IN ANCIENT ISRAEL 3 H W
(NEW) A study of the development of the Hebrew Bible from its earliest stages of oral tradition to its canonization with an emphasis on the relationship of the historical, intellectual, and cultural contexts shaping that development. Prerequisite: REL 124 / JWSH 124 or permission of instructor. (Same as JWSH 321) LEC

CHANGE: NEW REQUEST TO CROSS-LIST PREREQUISITE
REL 325 INTRODUCTION TO JUDAISM 3 H
(OLD) Analyzes a selection of the core texts, teachings, and practices of Jewish religious traditions in terms of classical and contemporary understanding. LEC
REL 325 INTRODUCTION TO JUDAISM 3 H
(NEW) Analyzes a selection of the core texts, teachings, and practices of Jewish religious traditions in terms of classical and contemporary understanding. (Same as JWSH 325) LEC

CHANGE: NEW REQUEST TO CROSS-LIST PREREQUISITE
REL 523 DEAD SEA SCROLLS 3 H
(OLD) A study of the archeological evidence and texts from the Dead Sea area that provide primary evidence for Jewish religious belief and practice in the Greek and Roman periods (ca. 250 B.C.E. - 135 C.E.). Prerequisite: REL 124 or consent of instructor LEC
REL 523 DEAD SEA SCROLLS 3 H
(NEW) A study of the archeological evidence and texts from the Dead Sea area that provide primary evidence for Jewish religious belief and practice in the Greek and Roman periods (ca. 250 B.C.E. - 135 C.E.). Prerequisite: REL 124 / JWSH 124 or consent of instructor (Same as JWSH 523) LEC
REL 525  JEWS AND CHRISTIANS  3  H
(OLD)  This course examines the ways Jews and Christians have interacted with and characterized one another at various points in their histories. Special emphasis is placed on the gradual separation of the two religious traditions in the 1st-4th centuries. LEC

REL 525  JEWS AND CHRISTIANS  3  H
(NEW)  This course examines the ways Jews and Christians have interacted with and characterized one another at various points in their histories. Special emphasis is placed on the gradual separation of the two religious traditions in the 1st-4th centuries. Prerequisite: A previous course in Religious Studies or Jewish Studies; or consent of instructor. (Same as JWSH 325) LEC

REL 526  JEWISH HISTORY AND LITERATURE IN THE GREEK AND ROMAN PERIODS  3  H
(OLD)  The history and literature of the Jewish people from the hellenistic period (late fourth century B.C.E. to the codification of the Mishnah 210 C.E.). Select texts from the Hebrew Bible, the so-called apocrypha and pseudepigrapha, the Qumran scrolls, Philo, Josephus, related early Christian texts, and Rabbinic texts will be studied. Prerequisite: REL 124 or permission of instructor. LEC

REL 526  JEWISH HISTORY AND LITERATURE IN THE GREEK AND ROMAN PERIODS  3  H
(NEW)  The history and literature of the Jewish people from the hellenistic period (late fourth century B.C.E. to the codification of the Mishnah 210 C.E.). Select texts from the Hebrew Bible, the so-called apocrypha and pseudepigrapha, the Qumran scrolls, Philo, Josephus, related early Christian texts, and Rabbinic texts will be studied. Prerequisite: REL 124 / JWSH 124 or permission of instructor. (Same as JWSH 526) LEC

REL 560  CLASSICAL AND CONTEMPORARY JEWISH THOUGHT  3  H
(OLD)  An introduction to individual Jewish thinkers and collective projects from Philo to the present, including The Talmud and Midrash, Middle Age and Early Modern Jewish philosophical and Talmudic rationalism and mysticism. Considers such thinkers as Spinoza, Cohen, Soloveitchik, Rosenzweig, and Levinas. LEC

REL 560  CLASSICAL AND CONTEMPORARY JEWISH THOUGHT  3  H
(NEW)  An introduction to individual Jewish thinkers and collective projects from Philo to the present, including The Talmud and Midrash, Middle Age and Early Modern Jewish philosophical and Talmudic rationalism and mysticism. Considers such thinkers as Spinoza, Cohen, Soloveitchik, Rosenzweig, and Levinas. Prerequisite: A previous course in Religious Studies or Jewish Studies; or consent of instructor. (Same as JWSH 560) LEC

REL 570  STUDIES IN JUDAISM  3  H
(OLD)  A study of the major intellectual sources of the Jewish tradition from the Mishna, Talmud, Midrash, prayerbook, philosophers, the Zohar, and the Shulchan Aruch. Prerequisite: A course in Religious Studies numbered 300 or above. LEC

REL 570  STUDIES IN JUDAISM  3  H
(NEW)  A study of the major intellectual sources of the Jewish tradition from the Mishna, Talmud, Midrash, prayerbook, philosophers, the Zohar, and the Shulchan Aruch. Prerequisite: A course in Religious Studies or Jewish Studies numbered 300 or above. (Same as JWSH 570) LEC
2. **Degree Requirements for Approval**

   **a. Changes to Existing Major in Physics - BA**
   
   **Proposed**
   
   All students pursuing the Bachelor of Arts in Physics must complete the KU Core requirements and the College BA specific requirements, listed in the KU Core and College sections of the catalog.

   **Foundational Physics & Mathematics (19.5 credits)**
   - PHSX 150 Seminar in Physics, Astronomy & Engineering Physics 0.5
   - PHSX 211 or 213 General Physics I (213 is honors/majors equivalent, 5 credits includes lab) 4
   - PHSX 212 or 214 General Physics II (214 is honors/majors equivalent, 4 credits includes lab) 3
   - PHSX 216 General Physics I Laboratory 1
   - PHSX 236 General Physics II Laboratory 1
   - MATH 121 Calculus I 5
   - MATH 122 Calculus II 5

   (deleting?? Foundamentals of Chemistry I. Recommended: CHEM 184 or CHEM 185.)

   **Advanced Mathematics requirements for major (8 credits, 0 to 3 at jr/sr level)**
   - MATH 223 Vector Calculus 3
   - MATH 290 Elementary Linear Algebra 2
   - MATH 220 or 320 Elementary Differential Equations; MATH 320 is recommended for physics & astronomy majors 3

   **Advanced Physics requirements for major (20 credits, all jr/sr)**
   - PHSX 313 General Physics III 3
   - PHSX 316 Intermediate Physics Lab (take with or after PHSX 313) 1
   - PHSX 511 Intro. Quantum Mechanics 3
   - PHSX 521 Mechanics I 3
   - PHSX 531 Electricity & Magnetism 3
   - PHSX 536 Electronic Circuit Measurement & Design 4
   - PHSX elective Any physics lecture or laboratory course numbered 500 or higher 3

   **b. Changes to Existing Major in Physics - BS**
   
   **PROPOSED:**
   
   All students pursuing the Bachelor of Science in Astronomy must complete the KU Core requirements in addition to the degree and major requirements. For details regarding the KU Core requirements, please see the KU Core section of the catalog.

   [Previous general education requirements are being deleted and replaced with the Core, except when noted in the general requirements proposed below]

   **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.
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 in at least 1 of the following categories: historical studies (requirement code HT), literature and the arts (requirement code HL), and philosophy and religion (requirement code HR). Approved courses may be searched for availability through the Kyou portal.

Social and Behavioral Sciences – Understanding Society and Behavior. Satisfied by completing 2 courses in at least 1 of the following categories: individual behavior (requirement code SI), culture and society (requirement code SC), or public affairs (requirement code SF). Approved courses may be searched for availability through the Kyou portal.

Foundational Physics & Mathematics (19.5 credits)
PHSX 150 Seminar in Physics, Astronomy and Engineering Physics 0.5
PHSX 211 or 213 General Physics I (213 is honors/majors equivalent, 5 credits includes lab) 4
PHSX 212 or 214 General Physics II (214 is honors/majors equivalent, 4 credits includes lab) 3
PHSX 216 General Physics I Laboratory 1
PHSX 236 General Physics II Laboratory 1
MATH 121 (or 141) Calculus I 5
MATH 122 (or 142) Calculus II 5

General Science Requirements (8 to 9 credits)
Chemistry CHEM 130 (or 190) 5
Computer Sci. EECS 138 (3), EECS 168 (4) 3-4
(Excluding Fortran or C++)

Advanced Mathematics (11 credits)
MATH 223 (or 243) Vector Calculus 3
MATH 290 (or 291) Elementary Linear Algebra 2
MATH 320 Elem. Differential Equations. 3
Math elective ONE Course from the following list PHSX 518, 718, 526, 530, 558, 581, 590, 628, 646, 647, 648, 660, 661, OR any 700-level MATH lecture course except for MATH 701 and 715. 3

Advanced Physics required for both options (24 credits)
PHSX 313 General Physics III 3
PHSX 316 Intermediate Physics Laboratory (with or after PHSX 313) 1
PHSX 511 Intro. Quantum Mechanics 3
PHSX 516 or 536 Physical Measurements or Electronic Circuits & Measurements 4
PHSX 521 Mechanics I 3
PHSX 531 Electricity & Magnetism 3
PHSX 671 Thermal Physics 3
PHSX research
PHSX 503, Undergraduate Research, or 501 (Honors). 1 credit is required for majors; more may be taken. More than 1 credit of research may be required for departmental honors.

PHSX elective Any physics lecture or laboratory course numbered 500 or higher and not part of other specific requirements for the major.

3

B.S. Physics candidates select one of the following options: pre-professional or interdisciplinary

(no changes to the requirements in the two options)

c. Changes to in Existing Major in Astronomy - BA

PROPOSED:

All students pursuing the Bachelor of Arts in Astronomy must complete the KU Core requirements and the College BA specific requirements, listed in the KU Core and College sections of the catalog.

Additional general science requirement:
CHEM 130 (or 190) 5
Foundational Mathematics (10 credits)
MATH 121 (or 141) 5
MATH 122 (or 142) 5

Foundational Physics for major (9.5 credits)
PHSX 150 Seminar in Physics, Astronomy and Engineering Physics 0.5
PHSX 211 or 213 General Physics I (213 is honors/majors equivalent, 5 credits, includes lab) 4
PHSX 212 or 214 General Physics II (214 is honors/majors equivalent, 4 credits, includes lab) 3
PHSX 216 General Physics I Laboratory 1
PHSX 236 General Physics II Laboratory 1

Astronomy requirements for major (11 credits, all at jr/sr level)
(deleting ASTR 390 – Undergraduate Problems 1-3)
ASTR 391 Physical Astronomy 3
ASTR 591 Stellar Astronomy 3
ASTR 592 Galactic & Extragalactic Astronomy 3
ASTR 596 Observational Astrophysics 2
(deleting Astronomy Required Elective – satisfied by PHSX 693, ASTR 691 or GEOL 572 and adding the requirement below)

Additional astronomy, astrophysics or physics coursework required for major

In addition to the above specifically required courses, Astronomy BA candidates must complete at least 5 additional credits in physics or astronomy at the 300+ level. Students may enroll in ASTR 390 for undergraduate problems for 1 or more credit hours and in ASTR 503 (501 honors) for research credit. ASTR 394 is highly recommended. Other recommended courses include ASTR 691 and 692, PHSX 594, GEOL 572, PHSX 313/316 and other PHSX courses 500 and above; most of these course have prerequisites that may require additional preparation in mathematics and/or physics.

Major Hours & Major GPA

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

Major Hours
Satisfied by 30 25.5 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+) Hours
Satisfied by a minimum of 12 16 hours from junior/senior courses (300+) 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.

d. Changes to in Existing Major in Astronomy - BS

PROPOSED:
All students pursuing the Bachelor of Science in Astronomy must complete the KU Core requirements in addition to the degree and major requirements. For details regarding the KU Core requirements, please see the KU Core section of the catalog.
[Previous general education requirements are being deleted and replaced with the Core, except when noted in the general requirements proposed below]

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.

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 at least 1 in one of the following categories: historical studies (requirement code HT), literature and the arts (requirement code HL), and philosophy and religion (requirement code HR). Approved courses may be searched for availability through the Kyou portal.

Social and Behavioral Sciences – Understanding Society and Behavior. Satisfied by completing 2 courses at least 1 in one of the following categories: individual behavior (requirement code SI), culture and society (requirement code SC), or public affairs (requirement code SF). Approved courses may be searched for availability through the Kyou portal.

General Science Requirements (8 to 9 credits)

<table>
<thead>
<tr>
<th>Subject</th>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry</td>
<td>CHEM 130</td>
<td>5</td>
</tr>
<tr>
<td>Computer Sci.</td>
<td>EECS 138(3) or EECS 168(4)</td>
<td>3-4</td>
</tr>
<tr>
<td>Foundational Physics &amp; Mathematics</td>
<td>(19.5 credits)</td>
<td></td>
</tr>
<tr>
<td>PHSX 150</td>
<td></td>
<td>0.5</td>
</tr>
<tr>
<td>PHSX 211 or 213 General Physics I</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>PHSX 212 or 214 General Physics II</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>PHSX 216</td>
<td>General Physics I Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>PHSX 236</td>
<td>General Physics II Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>MATH 121 (or 141)</td>
<td>Calculus I critical thinking and quantitative literacy</td>
<td>5</td>
</tr>
</tbody>
</table>
MATH 122 (or 142) Calculus II 5
Advanced Mathematics (11 credits, 3 – 6 at jr/sr level) Hours
MATH 223 Vector Calculus 3
MATH 290 Elementary Linear Algebra 2
MATH 320 Elem. Differential Equations 3
Math elective ONE Course from the following list PHSX 518, 718, 526, 530, 558, 581, 590, 628, 646, 647, 648, 660, 661, OR any 700-level MATH lecture course except for MATH 701 and 715. 3
Advanced Physics requirements for major (23 credits, all at jr/sr level)
PHSX 313 General Physics III 3
PHSX 316 Intermediate Physics Laboratory (with or after PHSX 313) 1
PHSX 511 Intro. Quantum Mechanics 3
PHSX 516 or 536 Physical Measurements or Electronic Circuits & Measurements 4
PHSX 521 Mechanics I 3
PHSX 531 Electricity & Magnetism 3
PHSX 671 Thermal Physics 3
PHSX elective Any physics lecture or laboratory course at 500 level or higher. PHSX 693 is recommended. GEOL 572, PHSX/ASTR 792 and 795 are also accepted for this requirement. PHSX 594 will not be accepted for BS astronomy majors to fulfill this elective requirement. 3

Astronomy requirements for major (18 credits, all at jr/sr level) Hours
ASTR 391 Physical Astronomy 3
ASTR 503 Undergraduate Research. 1 credit is required for major; more may be taken. More than 1 credit of research may be required for departmental honors. 1
ASTR 591 Stellar Astronomy 3
ASTR 592 Galactic & Extragalactic Astronomy 3
ASTR 596 Observational Astrophysics 2
ASTR 691 Astrophysics I 3
ASTR 692 Astrophysics II 3
( deleting PHSX 693 Gravitation & Cosmology 3)

Major Hours & Major GPA

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

Major Hours
Satisfied by 30 41 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+) Hours
Satisfied by a minimum of 42 41 hours from junior/senior courses (300+) 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.

c. Changes to Existing Major in Visual Art – BFA – General Option

JUSTIFICATION:
These changes reflect the adoption of the KU Core.
Bachelor of Fine Arts in Visual Art – General option

Foundations Studies (12 hours)

ART 101 Drawing I (3)
ART 102 Drawing II (3)
ART 103 Art Concepts and Practice (3)
ART 104 Art Principles and Practice (3)

History of Art (15 hours)

HA 150 Western Art History I: Ancient Through Medieval Art (fall only) (3) (HA 150 must be taken before HA 151)
HA 151 Western Art History II: Renaissance to Contemporary Art (spring only) (3)
Non-Western history of art (3)
*HA elective (3)
*HA Elective (3)
* Students completing the general option must use an HA 1900-1945 and an HA 1945-present course as their 2 HA electives.

English (9 hours)

ENGL 101 Composition (3)
ENGL 102/105 Critical Reading and Writing (3)
ENGL 203, ENGL 205, or ENGL 209-ENGL 211 (3)

LIBERAL ARTS & SCIENCES ELECTIVES 18 hrs

Humanities (H) (3)
Social Science (S) (3)
Natural Science/Math (N) (3)
Students completing the general option may take 3 hours each of humanities, natural sciences, and social sciences courses and 9 hours of CLAS electives from any H/S/N department.

School of the Arts Elective (3 hours)
Satisfied by 1 course (3 hours) from the Dance (DANC), Film & Media Studies (FMS), Theatre (THR), or Visual Art (ART, CER, EXM, METL, PNTG, PRNT, SCUL, TD, VAE) department.

Electives
Additional credit hours of general electives are needed to meet the minimum total hours required for graduation.

Major requirements

The general option requires 49 major hours, including a minimum of 15 junior/senior hours in the major, a minimum of 15 major hours in residence, and a minimum 2.0 KU junior/senior grade-point average in the major.

Visual Art Core Courses (15 hours)

1 course is required in 5 of the following areas:

Ceramics: (ART 131 or any 200-level CER course) (3)
Expanded Media: (ART 123 or any 200-level EXM course) (3)
Metalsmithing/Jewelry: (ART 132 or any 200-level METL course) (3)
Painting: (ART 120 or any 200-level PNTG course) (3)
Printmaking: (ART 121 or any 200-level PRNT course) (3)
Sculpture: (ART 122 or any 200-level SCUL course) (3)
Textiles/Fibers: (ART 130/ART 133 or any 200-level TD course) (3)
Visual Art Studies (15 hours)

DRWG 203 Drawing III/DRWG 213 Life Drawing I/DRWG 300 Special Topics in Drawing: _____ (3)

Electives: Satisfied by 12 hours selected from the Visual Art Department (ART, CER, EXM, METL, PNTG, PRNT, SCUL, TD, VAE) (12)

Studio Electives (9 hours)
Satisfied by completing 9 hours of coursework with subject code (ART, CER, EXM, METL, PNTG, PRNT, SCUL, TD, VAE, PHMD, INTD, ILLU, INDD, BDS, VISC, ADS).

Senior Studio Requirements (10 hours)
Prerequisite: 30 hours of studio art courses.

ART 540 Professional Activities Seminar (1)
ART 695 Directed Study I (4)
ART 696 Directed Study II (5)

Proposed

Completion of KU Core Requirements (see KU Core)

BFA-specific requirements

   Writing Requirement – ENGL 101 and 102, or placement in and completion of ENGL 102/105 and an additional Goal 2 Outcome 1 course.

Foundations Studies (12 hours)

   ART 101 Drawing I (3)
   ART 102 Drawing II (3)
   ART 103 Art Concepts and Practice (3)
   ART 104 Art Principles and Practice (3)

History of Art (15 hours)

   HA 150 Western Art History I: Ancient Through Medieval Art (fall only) (3) (HA 150 must be taken before HA 151)
   HA 151 Western Art History II: Renaissance to Contemporary Art (spring only) (3)
   Non-Western history of art (3)
   Choose one of the following courses covering art history from 1900-1945 (3):
      HA 380/580
      HA 564
      HA 571
      HA 583
      HA 588

   Choose one of the following courses covering art history from 1945-present (3):
      HA 380/580
      HA 565
      HA 566
      HA 567
      HA 571
      HA 588

School of the Arts Elective (3 hours)
Satisfied by 1 course (3 hours) from the Dance (DANC), Film & Media Studies (FMS), Theatre (THR), or Visual Art (ART, CER, EXM, METL, PNTG, PRNT, SCUL, TD, VAE) department.
Electives
Additional credit hours of general electives are needed to meet the minimum total hours required for graduation.

**Major requirements**
The general option requires 49 major hours, including a minimum of 15 junior/senior hours in the major, a minimum of 15 major hours in residence, and a minimum 2.0 KU junior/senior grade-point average in the major.

**Visual Art Core Courses** (15 hours)

1 course is required in 5 of the following areas:
- Ceramics: (ART 131 or any 200-level CER course) (3)
- Expanded Media: (ART 123 or any 200-level EXM course) (3)
- Metalsmithing/Jewelry: (ART 132 or any 200-level METL course) (3)
- Painting: (ART 120 or any 200-level PNTG course) (3)
- Printmaking: (ART 121 or any 200-level PRNT course) (3)
- Sculpture: (ART 122 or any 200-level SCUL course) (3)
- Textiles/Fibers: (ART 130/ART 133 or any 200-level TD course) (3)

**Visual Art Studies** (15 hours)

DRWG 203 Drawing III/DRWG 213 Life Drawing I/DRWG 300 Special Topics in Drawing: _____ (3)

Electives: Satisfied by 12 hours selected from the Visual Art Department (ART, CER, EXM, METL, PNTG, PRNT, SCUL, TD, VAE) (12)

**Studio Electives** (9 hours)
Satisfied by completing 9 hours of coursework with subject code (ART, CER, EXM, METL, PNTG, PRNT, SCUL, TD, VAE, PHMD, INTD, ILLU, INDD, BDS, VISC, ADS).

**Senior Studio Requirements** (10 hours)
Prerequisite: 30 hours of studio art courses.

- ART 540 Professional Activities Seminar (3)
- ART 695 Directed Study I (3)
- ART 696 Directed Study II (4)

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**f. Changes to Existing Major in Visual Art – BFA – Metalsmithing/Jewelry Option**

**JUSTIFICATION:**

These changes reflect the adoption of the KU Core.

**Bachelor of Fine Arts in Visual Art – Metalsmithing/Jewelry option**

**Current**

**Foundations Studies** (12 hours)

- ART 101 Drawing I (3)
- ART 102 Drawing II (3)
- ART 103 Art Concepts and Practice (3)
- ART 104 Art Principles and Practice (3)

**History of Art** (15 hours)

- HA 150 Western Art History I: Ancient Through Medieval Art (fall only) (3) (HA 150 must be taken before HA 151)
- HA 151 Western Art History II: Renaissance to Contemporary Art (spring only) (3)
- Non-Western history of art (3)
HA elective (3)
HA Elective (3)

English (9 hours)

ENGL 101 Composition (3)
ENGL 102/105 Critical Reading and Writing (3)
ENGL 203, ENGL 205, or ENGL 209-ENGL 211 (3)

Principal Courses (18 hours)

Humanities (H) (6)
Natural sciences and mathematics (N) (6)
Social sciences (S) (6)

School of the Arts Elective (3 hours)
Satisfied by 1 course (3 hours) from the Dance (DANC), Film & Media Studies (FMS), Theatre (THR), or Visual Art (ART, CER, EXM, METL, PNTG, PRNT, SCUL, TD, VAE) department.

Electives
Additional credit hours of general electives are needed to meet the minimum total hours required for graduation.

Major requirements

The metalsmithing/jewelry option requires 48 major hours, including a minimum of 36 junior/senior hours in the major, a minimum of 15 major hours in residence, and a minimum 2.0 KU junior/senior grade-point average in the major.

Metalsmithing/Jewelry (39 hours)

ART 132 Fundamentals of Metalsmithing/Jewelry (3) or
METL 211 Jewelry (3)
METL 301 Introduction to Casting for Jewelry (3)
(AT 132 then METL 301 must be completed before taking further METL classes)
METL 302 Professional Practices (3)
METL 360 Holloware (3)
METL 362 Metalsmithing (6)
METL 364 Enameling (6)
METL 501 Seminar (3)
METL 515 Advanced Metals I (6)
METL 520 Advanced Metals II (6)

Studio Electives (9 hours)

Satisfied by completing 9 hours of coursework with subject code (ART, CER, EXM, METL, PNTG, PRNT, SCUL, TD, VAE, PHMD, INTD, ILLU, INDD, BDS, VISC, ADS)

PROPOSED

Completion of KU Core Requirements (see KU Core)

BFA-specific requirements

Writing Requirement – ENGL 101 and 102, or placement in and completion of ENGL 102/105 and an additional Goal 2 Outcome 1 course.

Foundations Studies (12 hours)
ART 101 Drawing I (3)
ART 102 Drawing II (3)
ART 103 Art Concepts and Practice (3)
ART 104 Art Principles and Practice (3)

History of Art (15 hours)

  HA 150 Western Art History I: Ancient Through Medieval Art (fall only) (3) (HA 150 must be taken before HA 151)
  HA 151 Western Art History II: Renaissance to Contemporary Art (spring only) (3)
  Non-Western history of art (3)
  HA elective (3)
  HA Elective (3)

School of the Arts Elective (3 hours)
Satisfied by 1 course (3 hours) from the Dance (DANC), Film & Media Studies (FMS), Theatre (THR), or Visual Art (ART, CER, EXM, METL, PNTG, PRNT, SCUL, TD, VAE) department.

Electives
Additional credit hours of general electives are needed to meet the minimum total hours required for graduation.

Major requirements
The metalsmithing/jewelry option requires 48 major hours, including a minimum of 36 junior/senior hours in the major, a minimum of 15 major hours in residence, and a minimum 2.0 KU junior/senior grade-point average in the major.

Metsmithing/Jewelry (39 hours)

  ART 132 Fundamentals of Metalsmithing/Jewelry (3) or
  METL 211 Jewelry (3)
  METL 301 Introduction to Casting for Jewelry (3)
  (ART 132 then METL 301 must be completed before taking further METL classes)
  METL 302 Professional Practices (3)
  METL 360 Holloware (3)
  METL 362 Metalsmithing (6)
  METL 364 Enameling (6)
  METL 501 Seminar (3)
  METL 515 Advanced Metals I (6)
  METL 520 Advanced Metals II (6)

Studio Electives (9 hours)

Satisfied by completing 9 hours of coursework with subject code (ART, CER, EXM, METL, PNTG, PRNT, SCUL, TD, VAE, PHMD, INTD, ILLU, INDD, BDS, VISC, ADS)

Changes to Existing Major in Visual Arts – BFA – Textiles-Fibers Option

JUSTIFICATION:
These changes reflect the adoption of the KU Core.

Bachelor of Fine Arts in Visual Art – Textiles/Fibers option

Current

Foundations Studies (12 hours)

  ART 101 Drawing I (3)
  ART 102 Drawing II (3)
  ART 103 Art Concepts and Practice (3)
  ART 104 Art Principles and Practice (3)
Additional Foundation Requirements (9 hours, not counted toward major)

- ART 130 Fundamentals of Fiber Forms (3) or
- ART 133 Fundamentals of Fibers (3)
- TD 314 Introduction to Weaving (3)
- TD 315 Textile Handprinting and Resist Processes (3)

History of Art (15 hours)

- HA 150 Western Art History I: Ancient Through Medieval Art (fall only) (3) (HA 150 must be taken before HA 151)
- HA 151 Western Art History II: Renaissance to Contemporary Art (spring only) (3)
- Non-Western history of art (3)
- *HA elective (3)
- Elective (3)

*Textiles students can count TD 504 History of Textiles, Lecture as one of their HA electives. Students completing the general option must use an HA 1900-1945 and an HA 1945-present course as their 2 HA electives.

English (9 hours)

- ENGL 101 Composition (3)
- ENGL 102 Critical Reading and Writing (3)
- ENGL 203, ENGL 205, or ENGL 209-ENGL 211 (3)

Principal Courses (18 hours)

- Humanities (H) (6)
- Natural sciences and mathematics (N) (6)
- Social sciences (S) (6)

(Students completing the general option may take 3 hours each of humanities, natural sciences, and social sciences courses and 9 hours of CLAS electives from any H/S/N department.)

School of the Arts Elective (3 hours)
Satisfied by 1 course (3 hours) from the Dance (DANC), Film & Media Studies (FMS), Theatre (THR), or Visual Art (ART, CER, EXM, METL, PNTG, PRNT, SCUL, TD, VAE) department.

Electives
Additional credit hours of general electives are needed to meet the minimum total hours required for graduation.

**Major requirements**

The textiles/fibers option requires 48 major hours, including a minimum of 30 junior/senior hours in the major, a minimum of 15 major hours in residence, and a minimum 2.0 KU junior/senior grade-point average in the major.

Textiles/Fibers (30 hours)

*Intermediate Studies (12 hours)

- TD 313 Fiber Forms (required) (3)
- TD 316 Screenprinting Textiles (required) (3)
- TD 301 Weave Structures (3)
- TD 302 Techniques in Weaving (3)
- TD 414 Experimental Concepts in Weaving (3)
- TD 403 Intermediate Textile Printing (3)
- TD 404 Surface Design (3)
*Students must complete 2 courses under Intermediate Studies before beginning Advanced Studio classes.

Required Advanced Textiles/Fibers (9-15 hours)

TD 504 History of Textiles, Lecture (3)
TD 515 Advanced Textiles/Fibers I (3-6)
TD 520 Advanced Textiles/Fibers II (3-6)

Advanced Textiles/Fibers Electives (3-9 hours)

TD 503 Advanced Surface Design/Screenprinting (1-6)
TD 506 Advanced Fiber Forms (1-6)
TD 514 Advanced Techniques in Weaving (1-6)

Studio Electives (18 hours)

Satisfied by completing 18 hours of coursework with subject code (ART, CER, EXM, METL, PNTG, PRNT, SCUL, TD, VAE, PHMD, INTD, ILLU, INDD, BDS, VISC, ADS).

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**Proposed**

**Completion of KU Core Requirements (see KU Core)**

**BFA-specific requirements**

**Writing Requirement** – ENGL 101 and 102, or placement in and completion of ENGL 102/105 and an additional Goal 2 Outcome 1 course.

**Foundations Studies (12 hours)**

ART 101 Drawing I (3)
ART 102 Drawing II (3)
ART 103 Art Concepts and Practice (3)
ART 104 Art Principles and Practice (3)

**Additional Foundation Requirements** (9 hours, not counted toward major)

ART 130 Fundamentals of Fiber Forms (3) or
ART 133 Fundamentals of Fibers (3)
TD 314 Introduction to Weaving (3)
TD 315 Textile Handprinting and Resist Processes (3)

**History of Art** (12 hours)

HA 150 Western Art History I: Ancient Through Medieval Art (fall only) (3) (HA 150 must be taken before HA 151)
HA 151 Western Art History II: Renaissance to Contemporary Art (spring only) (3)
Non-Western history of art (3)
HA elective (3)

**School of the Arts Elective**
(DANC, FMS, THR course) (3)
Major requirements

The textiles/fibers option requires 48 major hours, including a minimum of 30 junior/senior hours in the major, a minimum of 15 major hours in residence, and a minimum 2.0 KU junior/senior grade-point average in the major.

Textiles/Fibers (30 hours)

Intermediate Textiles/Fibers Courses 12 hours
(Students must complete two courses under Intermediate Studies before beginning Advanced studio classes)
- TD 313 Fiber Forms (3)
- TD 316 Screenprinting Textiles (3)
- TD 401/402/403/404/414 (3)
- TD 401/402/403/404/414 (3)

Advanced Textiles/Fibers Courses 18 hours
- TD 504 History of Textiles (3)
- TD 515 Advanced Textiles/Fibers I (3-6)
- TD 520 Advanced Textiles/Fibers II (3-6)
- TD 503/506/514 (3-9)

Studio Electives 18 hours
(any Visual Art, Design, or applicable studio courses)

h. Change to Existing Major in Visual Art – BFA – Ceramics Option

JUSTIFICATION:
These changes reflect the adoption of the KU Core.

Bachelor of Fine Arts in Visual Art – Ceramics option

Current

Foundations Studies (12 hours)

- ART 101 Drawing I (3)
- ART 102 Drawing II (3)
- ART 103 Art Concepts and Practice (3)
- ART 104 Art Principles and Practice (3)

History of Art (15 hours)

- HA 150 Western Art History I: Ancient Through Medieval Art (fall only) (3) (HA 150 must be taken before HA 151)
- HA 151 Western Art History II: Renaissance to Contemporary Art (spring only) (3)
- Non-Western history of art (3)
- HA elective (3)
- HA Elective (3)

English (9 hours)

- ENGL 101 Composition (3)
- ENGL 102/105 Critical Reading and Writing (3)
- ENGL 203, ENGL 205, or ENGL 209-ENGL 211 (3)
Principal Courses (18 hours)

- Humanities (H) (6)
- Natural sciences and mathematics (N) (6)
- Social sciences (S) (6)

School of the Arts Elective (3 hours)
Satisfied by 1 course (3 hours) from the Dance (DANC), Film & Media Studies (FMS), Theatre (THR), or Visual Art (ART, CER, EXM, METL, PNTG, PRNT, SCUL, TD, VAE) department.

Electives
Additional credit hours of general electives are needed to meet the minimum total hours required for graduation.

**Major requirements**

The ceramics option requires 48 major hours, including a minimum of 24 junior/senior hours in the major, a minimum of 15 major hours in residence, and a minimum 2.0 KU junior/senior grade-point average in the major.

**Ceramics** (27 hours)

- ART 131 Fundamentals of Ceramics (3) or CER 208 Ceramics I (3)
- CER 301 Ceramics II (3)
- CER 402 Ceramics III (3)
- CER 504 Kilns (3)
- CER 505 Clay and Glaze Formulation (3)
- CER 515 Advanced Ceramics I (6)
- CER 520 Advanced Ceramics II (6)

**Studio Electives** (21 hours)

Satisfied by completing 21 hours of coursework with subject code (ART, CER, EXM, METL, PNTG, PRNT, SCUL, TD, VAE, PHMD, INTD, ILLU, INDD, BDS, VISC, ADS)

Additional Required Visual Art and Design Electives (6 hours, not counted toward major)

- PHMD elective (3)
- SCUL 253 Sculpture I (3) or
- SCUL 349 Metal and Glass Casting (3)

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**Proposed**

**Completion of KU Core Requirements (see KU Core)**

**BFA-specific requirements**

**Writing Requirement** – ENGL 101 and 102, or placement in and completion of ENGL 102/105 and an additional Goal 2 Outcome 1 course.

**Foundations Studies** (12 hours)

- ART 101 Drawing I (3)
- ART 102 Drawing II (3)
- ART 103 Art Concepts and Practice (3)
- ART 104 Art Principles and Practice (3)

**History of Art** (15 hours)
HA 150 Western Art History I: Ancient Through Medieval Art (full only) (3) (HA 150 must be taken before HA 151)

HA 151 Western Art History II: Renaissance to Contemporary Art (spring only) (3)
Non-Western history of art (3)
HA elective (3)
HA Elective (3)

School of the Arts Elective (3 hours)
Satisfied by 1 course (3 hours) from the Dance (DANC), Film & Media Studies (FMS), Theatre (THR), or Visual Art (ART, CER, EXM, METL, PNTG, PRNT, SCUL, TD, VAE) department.

Electives
Additional credit hours of general electives are needed to meet the minimum total hours required for graduation.

**Major requirements**
The ceramics option requires 48 major hours, including a minimum of 24 junior/senior hours in the major, a minimum of 15 major hours in residence, and a minimum 2.0 KU junior/senior grade-point average in the major.

**Ceramics** (27 hours)

- ART 131 Fundamentals of Ceramics (3) or CER 208 Ceramics I (3)
- CER 301 Ceramics II (3)
- CER 402 Ceramics III (3)
- CER 504 Kilns (3)
- CER 505 Clay and Glaze Formulation (3)
- CER 515 Advanced Ceramics I (6)
- CER 520 Advanced Ceramics II (6)

**Studio Electives** (21 hours)

Satisfied by completing 21 hours of coursework with subject code (ART, CER, EXM, METL, PNTG, PRNT, SCUL, TD, VAE, PHMD, INTD, ILLU, INDD, BDS, VISC, ADS)

**Additional Required Visual Art and Design Electives** (6 hours, not counted toward major)

- PHMD elective (3)
- SCUL 253 Sculpture I (3) or
- SCUL 349 Metal and Glass Casting (3)

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**i. Changes to Existing Major in Applied Behavioral Science**

(Youth Development & Juvenile Justice specialty area)

**CHANGE:** Requesting change to list of course options to fulfill Specialty Area Electives requirement.

(OLD): Satisfied by completing 9 hours of any junior/senior-level courses approved by the adviser. The following are recommended: ABSC 405, ABSC 455, ABSC 486, ABSC 535, or ABSC 565.

(NEW): Satisfied by completing 9 hours from the list of courses below:

- ABSC 310 Building Healthy Communities (3)
- ABSC 360 Drugs, Addiction, Behavior (3)
- ABSC 405 Children and Media (3)
- ABSC 470 Organizational Behavior Management (3)
- ABSC 486 Issues in Parenting (3)
- ABSC 535 Developmental Psychopathology (3)
- ABSC 562 Behavioral Community Psychology (3)
- ABSC 565 Applied Developmental Psychology (3)
- ABSC 626 Psychology of Adolescence (3)

**CHANGE:** Requesting change to practicum requirement
(OLD): Satisfied by **ABSC 694** (6-10 hours). Two semesters are required. The courses are offered for 5 credit hours during the fall and spring semesters, and 3 hours during the summer session. No more than 6 hours of practicum apply to the major.

(NEW): Satisfied by **ABSC 694** (10 hours). This practicum requires a two-semester commitment, beginning in the Fall semester (5 hours) and continuing in the Spring semester (5 hours). Space may be limited and enrollment may depend on the date of indication of interest and performance in ABSC 410.

**(Basic Research & Conceptual Foundations specialty area)**

**Subplan: Basic Research**

**CHANGE:** Requesting change to list of course options to fulfill Specialty Area Electives requirement.

(OLD): Specialty Area Electives Satisfied by completing 12 hours of any junior/senior-level ABS courses approved the practicum adviser. The following are among the recommended courses: **ABSC 425, ABSC 565, ABSC 535, ABSC 632, ABSC 671, ABSC 735, or ABSC 796.**

(NEW): **Specialty Area Electives** (at least 11 hrs) Satisfied by completing any junior-senior level ABSC courses, except those already required as introductory and core knowledge courses. Additionally, practicum courses (ABSC 675-699) do not count toward specialty area elective hours. Please see specialty area advisors for recommendations.

**CHANGE:** Requesting change to practicum requirement

(OLD): **Practicum** Satisfied by **ABSC 692** (6-10 hrs). Practicum courses are offered for 3-6 credit hours during the fall and spring semesters, and 3 hours during the summer session. However, no more than 6 hours total apply to the major.

(NEW): **Practicum** (6-10 hrs). Two semesters of practicum are required. Practicum courses are offered for 3-6 credit hours during the Fall and Spring semesters, and 3 hours during the summer session. However, no more than 6 hours total apply to the major. The prerequisite is the permission of the supervisor, as space permits.

**ABSC 692 Practicum in Basic Research (3-6)**

**(Basic Research & Conceptual Foundations specialty area)**

**Subplan: Conceptual Foundations**

**CHANGE:** Add Required Specialty Area Course

Required Specialty Area Course (3 hrs).

**ABSC 798 Conceptual Foundations in Applied Behavioral Science (3)**

**CHANGE:** Requesting change to list of course options to fulfill Specialty Area Electives requirement.

(OLD): **Specialty Area Electives** Satisfied by completing 14 hours of any junior/senior-level ABSC courses approved by the practicum adviser. The following are among the recommended courses: **ABSC 565, ABSC 535, ABSC 632, ABSC 671, ABSC 735, or ABSC 796.**

(NEW): **Specialty Area Electives** (at least 8 hrs). Satisfied by any junior-senior level ABSC courses, except those already required as introductory and core knowledge courses. Additionally, practicum courses (ABSC 675-699) do not count toward specialty area elective hours. Please see specialty area advisors for recommendations.

j. Biotechnology – Bachelor of Applied Science – New Degree - Major

**PROPOSAL**

**REQUIREMENTS for the B.AS. (Bachelor of Applied Science in Biotechnology) (KU Edwards Campus)**
Completion of the KU Core, and:

**General Science Requirements** (43 - 45 hours minimum)
CHEM 130 and CHEM 135 Foundations of Chemistry I and II .................. 10
CHEM 330 Organic Chemistry I or 310 Fund. Organic Chemistry .............. 3
CHEM 331 Organic Chemistry I Laboratory ............................................. 2
PHSX 114 College Physics I ................................................................. 4
MATH 115 Calculus I (3) or MATH 121 Calculus I (5) .......................... 3-5
BIOL 150 (or BIOL 151 Honors) Principles of Molecular and
Cellular Biology ..................................................................................... 4
BIOL 152 (or BIOL 153 Honors) Principles of Organismal
Biology ...................................................................................................... 4
BIOL 350 Principles of Genetics .............................................................. 3
BIOL 400 Fundamentals of Microbiology .............................................. 3
BIOL 416 Cell Structure and Function ................................................. 3
BIOL 600 Introductory Biochemistry, Lectures ................................... 4

**Bachelors of Applied Sciences Core Curriculum:** (9 hours)
COMS 310 or COMS 330: Organizational Comm or Business Comm ........ 3
MATH 365 or PSYC 210: Statistics or Statistics in Psychological Research 3
MGMT 305 or SA&D 402: Management or Project Management .............. 3

**Biotechnology Requirements** (31 hours)
BTEC 300: Introduction to Biotechnology .............................................. 3
BTEC 330: Biotechnology Regulation and Documentation Processes .......... 3
BTEC 340: Biotechnology Research Methods and Applications I ........... 3
BTEC 341: Principles of Bioprocessing Laboratory I ............................... 1
BTEC 405: Microbial Genetics Laboratory .............................................. 4
BTEC 440: Biotechnology Research Methods and Applications II .......... 3
BTEC 441: Principles of Bioprocessing Laboratory II .............................. 1
BTEC 450: Applied Bioinformatics........................................................ 3
BTEC 475: Bioseparations Laboratory ..................................................... 3
BTEC 460: Introduction to Quality Control/Quality Assurance in Biotechnology 3
BTEC 494: Selected Topics in Biotechnology ........................................ 1
BTEC 599: Biotechnology Capstone Experience ................................... 3

**Elective Requirements** (6 hours) Choose from the following:
BTEC 501: Ethical Issues in Biotechnology .......................................... 1
BTEC 541: Gene Expression Analysis ...................................................... 2
BTEC 542: Protein Expression in Insect Cells ........................................ 2
BTEC 545: RNA Interference and Model Organisms ............................. 2
BTEC 424: Independent Study in Biotechnology ................................. 1-3
BTEC 547: Bioanalytical Laboratory ...................................................... 2

**PROPOSED REQUIREMENTS** for the B.AS. Biotechnology Major (KU Edwards Campus)

**JUSTIFICATION:**

The proposal is a new degree program for the Edwards Campus as a degree completion program. The proposal works in concert with the AS degree in Biotechnology from Johnson County Community College and could easily accommodate similar community college credits from elsewhere.

Biotechnology skills are sorely needed in the $1.8 billion dollar life sciences corridor that stretches from Manhattan, KS to Columbia, MO. With the advent of the KUMC Cancer
Designation by the National Institute of Health, as well as the Stowers Institute and the 100+
Contract Research Organizations in the area, such skills will be in very high demand.

k. Changes to Existing Major and Minor in East Asian Languages & Cultures - BA
   PROPOSAL

   KOR 504 and KOR 508 Advanced Modern Korean I and II are being changed from 3 to 4
   credits each.

   Therefore, we propose that the total number of credit hours required for the major: ‘East
   Asian Studies, with Korean Language Concentration’ be 32 jr/sr credit hours rather than
   just 30 hours.

   [current requirements for the B.A. Degree: East Asian Area Studies Concentration in
   Korean. At least 30 hours of junior/senior level courses are required; ECIV 304 or ECIV 305;
   at least 6 credits of advanced level Korean language; one course on premodern and one on
   modern Korea; *one course on East Asia in a discipline in the humanities;*one course on East
   Asia in a social science discipline, and three East Asian studies courses in any field. KOR
   562 may be used in place of one of the East Asian studies courses. The Honors course 499
   may be used to fulfill any of the above marked with *. At least nine hours of content courses
   must be taken at K.U.]

   2. We further propose that the total number of credit hours required for the minor:
      Concentration “A,” which requires completion of the third year of the target language, go up
      from 18 to 20 credit hours in the case of Korean.

      [current requirements: Minor Concentration A requires 18 or 19 junior-senior hours in
      EALC that must include:
      1. Completion of the third year of the target language (10 credits in the case of
         Chinese and Japanese or 6 credits in the case of Korean).
      2. Three content courses (9 credits) about the civilization of China or Japan, or four
         content courses on Korea (12 credits), depending on the student’s language
         choice. EALC 220 may be counted as one of the three. Otherwise courses must
         be at the junior-senior level. ECIV 304 and other cross-regional courses may
         also be used.]

   3. To avoid the total number of credit hours required for the major: Double Language
      Concentration going up from 31 to 33, we would like to delete the requirement that students
      choosing Korean as one of their two languages take an additional East Asian studies course,
      so that the total number of credit hours for this Concentration would go down to 30 credits for
      students choosing Korean as one of their two East Asian languages.

      [current requirements for the B.A. Degree: Double Language Concentration, showing
      proposed change as deletions: At least 32 hours of junior/senior level courses are required, or
      34-30 if one of the languages is Korean. One year of advanced level language study is
      required: in the cases of Chinese and Japanese this amounts to 10 credits, while in the case of
      Korean it is 68 credits. Students must take one course on the premodern culture and one on
      the modern culture of each of the languages they are studying—If one of the languages is
      Korean, the student must take an additional East Asian studies course. At least nine hours of
      content courses must be taken at K.U.]

CATALOG FORMAT:

East Asian Studies with Korean Language Concentration
East Asian Languages and Cultures Prerequisite Knowledge

- Elementary Korean I. Satisfied by KOR 104.
- Elementary Korean II. Satisfied by KOR 108.
- Language Proficiency. Satisfied by KOR 204 and KOR 208.
East Asian Languages and Cultures Core Knowledge and Skills. Majors choosing this concentration must complete a course or courses in each of the following areas:

- **Eastern Civilizations.** Satisfied by ECIV 304 or ECIV 305.
- **Advanced Language.** Satisfied by KOR 504 and KOR 508. [hours are changing from 3 to 4 for both KOR 504 and 508]

East Asian Languages and Cultures Required Elective. Majors choosing this concentration must complete a course in each of the following areas (a course cannot be used in more than one area):

- **Pre-modern Korea.** Satisfied by 1 course on pre-modern Korea.
- **Modern Korea.** Satisfied by 1 course on modern Korea.
- **East Asia in the Humanities.** Satisfied by 1 course on East Asia in a humanities discipline.
- **East Asia in the Social Sciences.** Satisfied by 1 course on East Asia in a social science discipline.
- **East Asian Studies.** Satisfied by 3 courses (9 hours) in any East Asian field.

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 **32** hours of major courses.

**Major Hours in Residence**
Satisfied by a minimum of 12 hours of KU resident credit in the major.

**Major Junior/Senior Hours**
Satisfied by a minimum of **32** 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.

Double Language Concentration
Majors choosing this concentration must complete the following requirements for 2 languages from the following: Japanese, Chinese, and/or Korean. If 1 of the languages chosen is Korean, an additional East Asian Studies course is required to fulfill the major requirements.

East Asian Languages and Cultures Prerequisite Knowledge

- **Elementary Japanese or Chinese or Korean I.** Satisfied by JPN 104 or CHIN 104 or KOR 104.
- **Elementary Japanese or Chinese or Korean II.** Satisfied by JPN 108 or CHIN 108 or KOR 108.
- **Language Proficiency.** Satisfied by JPN 204 and JPN 208, or CHIN 204 or CHIN 208, or KOR 204 and KOR 208.

East Asian Languages and Cultures Core Knowledge and Skills

- **Advanced Language.** Satisfied by JPN 504 and JPN 508, or CHIN 504 and CHIN 508, or KOR 504 and KOR 508. [hours are changing from 3 to 4 for both KOR 504 and 508]

East Asian Languages and Cultures Required Electives. Majors choosing this concentration must complete 1 course in each category that pertains to the languages being studied for a total of 2 courses per each category.
• **Pre-Modern Culture.** Satisfied by 1 course on pre-modern culture of 2 of the following: Japan, China, and/or Korea.

• **Modern Culture.** Satisfied by 1 course on modern culture of 2 of the following: Japan, China, and/or Korea.

• **Additional East Asian Studies Course.** Majors choosing to study Korean as 1 of their 2 languages must also complete an additional East Asian studies course. Satisfied by 1 course on East Asia. [requirement is being removed since KOR advanced hours now match more closely with the other language choices]

**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 31-32 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 31-32 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.

**Requirements for the Minor**

Students selecting this minor must complete one of the following options:

**East Asian Languages and Cultures Minor Option I**

**Advanced Language Requirement for Minor Option I.** Must complete the third year of one of the following languages: Japanese, Chinese, or Korean. Satisfied by JPN 504 and JPN 508, or CHIN 504 and CHIN 508, or KOR 504 and KOR 508. [hours in minor for option I if KOR 504 and 508 are chosen will result in a 20 hour minor.] (8 for KOR 504 & 508)

**Required Electives for Minor Option I.** Students who choose to pursue Korean language must complete 1 additional Korean Culture course.

• **Japanese or Chinese Culture Requirement.** Satisfied by 3 courses on Japanese or Chinese Culture (9 hours)

• **Korean Culture Requirement.** Satisfied by 4 courses on Korean culture (12 hours).

**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 18-19 20 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 Hours
Satisfied by a minimum of 18-20 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 in the minor. GPA calculations include all courses in the field of study including F’s and repeated courses. See the Semester/Cumulative GPA Calculator.

JUSTIFICATION
Due to the high level of difficulty of Chinese and Japanese, the first three years of their study are offered as 5-credit courses. Korean is just as difficult, but until recently low enrollments in Korean have required us to take the financially practical approach of offering Advanced Modern Korean I and II as 3-credit courses. As enrollments have increased somewhat and we have hired a Korean Language Coordinator, we find it feasible to offer Advanced Modern Korean I and II as 4-credit courses. Increased time to study Korean at the third-year is pedagogically sound. Students are very happy about the prospect of having the additional instruction.

I. Changes to Existing Minor in Jewish Studies

PROPOSAL

Jewish Studies is in the process of being reorganized with the goal of submitting a proposal for a JS major by 2016.

To that end, we have revised the Jewish Studies minor to look more like a trimmed major: to have both breadth and depth, and to reflect a philosophy of the Program's mission.

CURRENT
Minor in Jewish Studies
Jewish Studies Minor Course Requirements
18 hours, 12 must be at the JR/SR level.

Of these 18 hours, at least one course must focus on the ancient world and at least one must focus on the modern world.

1 course in Yiddish or 1 course above the 200 level in Hebrew may count among these hours.

Student selecting this minor must complete a course in each of the following areas:

- **Jewish Studies.** Satisfied by 3 JWSH courses (9 hours).
- **Courses in Related Disciplines.** Satisfied by 3 courses (9 hours) from the list of approved courses below. 1 course in Yiddish or 1 course above the 200 level in Hebrew may count among these hours. Please note that if 1 of these courses — HEBR 210, HEBR 220, YDSH 104, or YDSH 108 — is counted toward the minor, this results in a JWSH minor program of 20 credit hours.

- **Course Focusing on the Ancient World.** Satisfied by 1 course as a part of the 18 hour minor requirement.

- **Course Focusing on the Modern World.** Satisfied by 1 course as a part of the 18 hour minor requirement.

Courses Offered in the Jewish Studies Program
JWSH 300 Topics in Jewish Studies: _____
JWSH 311 Narratives of Jewish Life
JWSH 327 Jewish Secular Culture
JWSH 350 Contemporary Jewish Identities
JWSH 490 Directed Study in Jewish Studies
JWSH 491 Directed Study in Jewish Studies, Honors JWSH 572 Jewish Folklore
JWSH 600 Advanced Topics in Jewish Studies: _____
Cross-Referenced Courses
AMS 344 Case Study in American Studies: Jewish-American Literature and Culture (service-learning course only) AMS 494 Topics in: Jewish-American Literature and Culture
AMS 494 Topics in: Blacks and Jews in the United States
AMS 696 Studies in: Biography of a City: Jerusalem: 3000 Year History
ANTH 465 Genocide and Ethnocide
ENGL 203 Topics in Reading and Writing: Holocaust Literature ENGL 336 Jewish-American Literature and Culture
ENGL 536 Readings in the Holocaust
HEBR 210 Intermediate Israeli Hebrew I
HEBR 220 Intermediate Israeli Hebrew II
HEBR 230 Biblical Hebrew
HEBR 240 Biblical Hebrew II
HEBR 310 Introduction to Modern Hebrew Literature
HEBR 340 Aspects of Modern Hebrew
HEBR 350 Intermediate Conversational Hebrew
HEBR 453 Investigation and Conference: _____
HIST 341 Hitler and Nazi Germany
HIST 343 The Holocaust in History
HIST 503 The Ancient History of the Near East
HIST 660 Biography of a City: Jerusalem: 3,000 Year History
HIST 661 Palestine and Antiquity
REL 107 Living Religions of the West
REL 311 Religion of Ancient Israel REL 315 History and Literature of Early Christianity
REL 325 Introduction to Judaism
REL 326 Introduction to the Talmud and Interpretation
REL 376 American Judaism: Life and Thought
REL 500 Readings in Non-English Religious Texts
REL 523 The Dead Sea Scrolls
REL 525 Jews and Christians
REL 560 Classical and Contemporary Jewish Thought
REL 570 Studies in Judaism
REL 761 Seminar in Western Religious Thought: Talmud and Philosophy
THR 380 Popular Culture/JWSH 300 Topics in Jewish Studies: Jewish-American Popular Culture

PROPOSED
(new requirements in red):

- 3 credit hours in Jewish culture or history -- may be satisfied by one of the following:
  - JWSH 300 Israeli Politics and Society
  - JWSH 311 Narratives of Jewish Life
  - JWSH 327 Jewish Secular Culture
- 3 credit hours in Jewish religion -- may be satisfied by one of the following:
  - JWSH 300 The Story of the Talmud
  - REL 311/JWSH 321 Religion of Ancient Israel
  - REL/JWSH 325 Introduction to Judaism
- 12 credit hours as electives
  - Any other JWSH courses or appropriate cross-listed or cross-referenced courses in other units (see below).
  - 6 credit hours in Yiddish (YDSH) and/or in Hebrew (HEBR) at the 200-level or above may count among these 12 credit hours.
  - More HEBR or YDSH courses may be approved for the minor upon petition.

Courses Offered in the Jewish Studies Program

- JWSH 300 Topics in Jewish Studies: _____
- JWSH 311 Narratives of Jewish Life
- JWSH 327 Jewish Secular Culture
• **JWSH 350** Contemporary Jewish Identities
• **JWSH 490** Directed Study in Jewish Studies
• **JWSH 491** Directed Study in Jewish Studies, Honors
• **JWSH 572** Jewish Folklore
• **JWSH 600** Advanced Topics in Jewish Studies: _____

Cross-Referenced Courses

• **AMS 344** Case Study in American Studies: Jewish-American Literature and Culture (service-learning course only)
• **AMS 494** Topics in: Jewish-American Literature and Culture
• **AMS 494** Topics in: Blacks and Jews in the United States
• **AMS 696** Studies in: Biography of a City: Jerusalem: 3000 Year History
• **ANTH 465** Genocide and Ethnocide
• **ENGL 203** Topics in Reading and Writing: Holocaust Literature
• **ENGL 336** Jewish-American Literature and Culture
• **ENGL 536** Readings in the Holocaust
• **HEBR 110** Elementary Israeli Hebrew I
• **HEBR 120** Elementary Israeli Hebrew II
• **HEBR 210** Intermediate Israeli Hebrew I
• **HEBR 220** Intermediate Israeli Hebrew II
• **HEBR 230** Biblical Hebrew
• **HEBR 240** Biblical Hebrew II
• **HEBR 310** Introduction to Modern Hebrew Literature
• **HEBR 340** Aspects of Modern Hebrew
• **HEBR 350** Intermediate Conversational Hebrew
• **HEBR 453** Investigation and Conference: _____
• **HIST 341** Hitler and Nazi Germany
• **HIST 343** The Holocaust in History
• **HIST 503** The Ancient History of the Near East
• **HIST 660** Biography of a City: Jerusalem: 3,000 Year History
• **HIST 661** Palestine and Antiquity
• **REL 107** Living Religions of the West
• **REL 311** Hebrew Scriptures (Old Testament in English)
• **REL 315** History and Literature of Early Christianity
• **REL 325** Introduction to Judaism
• **REL 326** Introduction to the Talmud and Interpretation
• **REL 376** American Judaism: Life and Thought
• **REL 500** Readings in Non-English Religious Texts
• **REL 523** The Dead Sea Scrolls
• **REL 525** Jews and Christians in Greco-Roman Antiquity
• **REL 560** Classical and Contemporary Jewish Thought
• **REL 570** Studies in Judaism
• **REL 761** Seminar in Western Religious Thought: Talmud and Philosophy
• **THR 380** Popular Culture: **JWSH 300** Topics in Jewish Studies: Jewish-American Popular Culture

**JUSTIFICATION:**

In our new Bylaws (approved by the JS faculty, Apr 8, 2013), we have the following Mission Statement: "The Jewish Studies Program explores the culture, history, languages, and religion of the Jewish people and their global role in the shaping of human experience."
We want the JS minor (and eventual major) to explore precisely these areas: culture and history, language, and religion. Therefore, we have conceived the minor (and eventual major) as a trio of study-areas: 1 course minimum in culture or history; 1 course minimum in religion; and 4 courses minimum in language(s) and/or chosen electives. Since almost all JS courses, including Hebrew (both Biblical and Modern) and Yiddish, treat culture, history, and language, this trio of study-areas will have more or less equal weight.

Our goal with the major is to expand the number of courses required in culture and history, and in religion.

The requirement of an Independent Study (deleted in the Fall 2012?) is too time-consuming for both our students and our faculty. When we design the major we will want to visit the idea of requiring a capstone experience.

Finally, typical JS minors are actively Jewish and they take two or more years of Modern Hebrew and/or Yiddish – the study of religion and language acquisition need to play more overt roles in the minor (and eventual major).