I. APPROVAL OF THE DECEMBER 10, 2013 CAC MINUTES

II. REPORT OF THE COMMITTEE ON GRADUATE STUDIES (CGS)
Submitted by Cynthia Lynn, presented by Milena Stanislavova, 2013-2014 CGS Chair
(Items approved in the December 12, 2013 CGS meeting)

A. Curricular Changes for Approval
   CHANGES: ISP 882, ISP 898

B. Degree Requirements for Approval
   1. Changes to Existing Degree – Ph.D. in History of Art
   2. Changes to Existing Degree – M.S. Degree in Physics
   3. Changes to Existing Degree – Ph.D. Degree in Physics

III. REPORT OF THE COMMITTEE ON UNDERGRADUATE STUDIES AND ADVISING (CUSA)
Submitted by Lanis Atwood, presented by Pamela Neidert, 2013-2014 CUSA Chair
(Items approved in the December 10, 2013 and January 14, 2014 and November 26 CUSA meetings)

A. Curricular Changes for Approval
   NEW COURSES: ANTH 569, ASTR 400, GERM 111, GERM 112, GERM 113, GERM 333, PHSX 210
   CHANGES: HIST 351/HWS 348/ISP 348, JPN 100, PHSX 212, PHSX 214, PHSX 216, REES 480
   DELETIONS: EURS 401

B. Degree Requirements for Approval
   Correction to Changes to Existing Major – GIST and Change to Existing Minor – GIST on the December 10 2013 CAC Agenda:

   Note: CAC approved changes to the GIST major at its December 10, 2013 CAC meeting. However, an important change to the proposal that was approved by CUSA in its November 26 meeting was not reflected in the motion passed by CAC on December 10. The amended proposal that is part of this current agenda removes the stipulation that the language requirement has to be completed in a prescribed order.

Next meeting of the CAC will be Tuesday, February 11, 2014, at 4:00 PM in 210 Strong Hall

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I. APPROVAL OF THE DECEMBER 10, 2013 CAC MINUTES

College of Liberal Arts & Sciences
College Academic Council
Minutes – 10 December 2013

Committee members in attendance: Chuck Berg, David Brackett, Jacqueline Brinton, Heather Desaire, Tamara Falicov, Jane Gibson, Steve Ilardi, Anna Neill, Kathy Suprenant

Committee members absent: Mohamed El-Hodiri, Johan Feddema

Others in attendance: Danny Anderson, Larry Fillian, Marsha Haufler, Liz Kowalchuk, Kristine Latta, Jim Mielke, Pam Neidert, Anne Sawyer, Ann Schofield, John Symons, Milena Stanislavova, Peter Welch, Mike Wuthrich

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

Minutes
A motion was made and seconded to approve 12 November 2013 minutes of the College Academic Council as written. The motion was approved unanimously.

Report of the Committee on Graduate Studies (CGS)
(Milena Stanislavova, 2013-2014 CGS Chair, reporting)

- The motion (CGS report by Milena Stanislavova) was seconded, and the CAC voted unanimously to approve the following curricular changes:
  
  NEW COURSES: ANTH 743, CEAS 700, HIST 821
  NEWLY CROSS-LISTED COURSES: PSYC 821, PSYC 889, WGSS 821, WGSS 889
  CHANGE: POLS 706

- The motion (CGS report by Milena Stanislavova) was seconded, and the CAC voted unanimously to approve the following new certificate:
  
  Museum Studies, Graduate Certificate

- The motion (CGS report by Milena Stanislavova) was seconded, and the CAC voted unanimously to approve the following changes to existing degrees:
  
  FREN, MA
  FREN, PhD
  GERM, PhD
  GIST, MA

Report of the Committee on Undergraduate Studies & Advising (CUSA)
(Pam Neidert, 2013-2014 CUSA Chair, reporting)

- The motion (CUSA report by Pam Neidert) was seconded, and the CAC voted unanimously to approve the following curricular changes:
  
  NEW COURSES: ABSC 441, ANTH 343, COMS 210, COMS 485, COMS 496, EVRN 519, EVRN 616, EVRN 635, GEOG 554, GERM 128, GIST 250, GIST 350, GIST 424, GIST 495, GIST 530, GIST 535, GIST 624, HIST 358, HIST 362, HIST 414, HIST 461, HIST 512, HIST 534, HRNS 195, HWC 552, ISP 552, LAA 552, METL 503, METL 504, METL 505, METL 506, PUAD 494, SOC 519, SPLH 250, SPLH 450, SPLH 451

  CHANGES: ANTH 543, CER 515, CER 520, CHEM 124/100, CHEM 125/110, CHEM 130, CHEM 150, CHEM 170, CHEM 190, COMS 332, COMS 525, COMS 550, COMS 553, ENGL 655, EVRN 611, GEOG 635, GERM 132, GERM 328, GERM 332, LING 442, LING 539, *ASTR 293, POLS
• The motion (CUSA report by Pam Neidert) was seconded, and the CAC voted *unanimously* to approve the following **new minor**:

  Middle East Studies

• The motion (CUSA report by Pam Neidert) was seconded, and the CAC voted *unanimously* to approve the following **changes to existing major**:

  - BS Chemistry – General
  - BS Chemistry – Biological
  - BS Chemistry – Environmental
  - BS Chemistry – Chemical Physics
  - BA/BGS Political Science
  - GIST
  - Communication Studies
  - East Asian Languages & Cultures
  - BAE in Visual Art Education

• The motion (CUSA report by Pam Neidert) was seconded, and the CAC voted *unanimously* to approve the following **changes to existing minor**:

  - GIST
  - Leadership Studies

• The motion (CUSA report by Pam Neidert) was seconded, and the CAC voted *unanimously* to approve the following **changes to existing major admission requirements**:

  - Theatre (deletion of major admission requirements)
  - Communication Studies
  - BAE in Visual Art Education
  - PSYC BA, BGS and BS Behavioral Neuroscience

• The motion (CUSA report by Pam Neidert) was seconded, and the CAC voted *unanimously* to approve the following **HL Principal Course Designation**:

  - Jewish Studies 361

• The motion (CUSA report by Pam Neidert) was seconded, and the CAC voted *unanimously* to approve the following **proposals**:

  - Proposal for processing Principal and Non-Western Course Petitions for Summer 2013 – Previous Year Curricula
  - CLAS Change of School/Admission Policy

**Clarification**

At the November 12, 2013 CAC meeting, CAC voted to approve the use of electronic ballot for an extra “electronic” meeting. This process will be used in unique cases of programs/proposals that need expeditious handling to be presented to the Board of Regents in a timely manner. The electronic meeting could also be used in exceptional circumstances to facilitate timely approval to meet the end-of-year deadline for changes to the course catalog.

At 4:40 PM, a motion was made, seconded and approved unanimously to adjourn the meeting.

**Next regularly scheduled College Academic Council Meeting: Tuesday, 21 January 2014, at 4:00 PM (210 Strong Hall)**

*Minutes recorded and transcribed by Anne Sawyer (Secretary to the College Assembly)*
II. REPORT OF THE COMMITTEE ON GRADUATE STUDIES (CGS)

A. Curricular Changes for Approval

Indigenous Studies Program

CHANGE: COURSE DESCRIPTION  PREREQUISITE  CROSSLISTED COURSE
ISP 882  ISP 882 Native American Natural Resources (2-3)
(OLD) This course provides a detailed examination of natural resource law as it applies to Indian Country. Among the topics to be discussed are water law, environmental protection, and subsurface property rights. While not a prerequisite, it is recommended that students take Federal Indian Law before enrolling in this course. (Same as LAW 967) Prerequisite: Permission from the Instructor. LEC

Grading: A-F, W and I

This course is an elective
This course is not a RSRS course

This course is a degree requirement in the following way: This course fulfills a requirement, but does not change the major requirements.

ISP 882  ISP 882 Native American Natural Resources (2-3)
(NEW) This course provides a detailed examination of natural resource law as it applies to Indian Country. Among the topics to be discussed are water law, environmental protection, and subsurface property rights. (Same as LAW 967) LEC

Prerequisites: none

Grading: A-F, W and I

This course is an elective
This course is not a RSRS course

The change to this course will first take effect Fall 2014 and the course will be offered every Spring semester thereafter.

JUSTIFICATION: This course is cross listed with LAW 967. This course change has received approval from Law School governance. We are changing the course description to more accurately reflect the current professor’s syllabus.

CHANGE: COURSE DESCRIPTION
ISP 898  ISP 898 Master’s Non-Thesis (1-6)
(OLD) Course for Indigenous Nations Studies students completing non-thesis Master’s projects. Graded on a satisfactory/unsatisfactory basis. Prerequisite: Permission from instructor. LEC

Grading: S/U, W and I

This course is an elective
This course is not a RSRS course

ISP 898  ISP 898 Master’s Portfolio Preparation (1-6)
(NEW) Course for Indigenous Studies students completing a portfolio Master’s exam. Graded on a satisfactory/unsatisfactory basis. Permission from instructor. IND
The change to this course will first take effect Fall 2014 and the course will be offered every semester thereafter.

JUSTIFICATION:
We are changing this course to align it with the program changes and requirements for Indigenous Studies.

2. Degree Requirements for Approval

a. Changes to Existing Degree – Ph.D. Degree in History of Art

The requested changes to this degree or certificate program are:

(OLD) Current

Ph.D. Degree Requirements

Within 3 semesters of admission to the Ph.D. program, each student, in consultation with a major advisor, prepares for review by the full Graduate Faculty a Doctoral Program of Study petition that proposes a primary field of specialization and 2 minor fields, 1 of which may be outside the department. The petition, as approved by the faculty, becomes the student’s program of study, which is then overseen by the major advisor and guided by a committee that includes the major- and minor-field advisors.

Ph.D. candidates must satisfy all general requirements. Ph.D. candidates must demonstrate proficiency in 2 research skills (normally foreign languages) relevant to their research; this requirement must be met before candidates are admitted to the comprehensive examinations for the doctorate. One of the 2 research skills is normally the foreign language that met the M.A. language requirement.

Research Skills & Responsible Scholarship Requirement:

All graduate seminars include instruction in and discussion of appropriate research conduct and research misconduct; authorship, publication, plagiarism, copyright; peer review; and professional practices. For more information on the Research Skills and Responsible Scholarship requirement, please see the Graduate Studies section of the online catalog.

Students must take both written and comprehensive oral examinations at the end of their course work. Both written and oral examinations cover the major area and 2 minor areas specified in the student’s Doctoral Program of Study petition. The oral examination normally follows the written examination by 2 weeks.

Within no more than 2 semesters of passing the comprehensive oral examination, the candidate submits a dissertation proposal for faculty approval. Upon acceptance of the dissertation in final draft form, the candidate must successfully pass the final oral examination (the dissertation defense) to complete the degree.

Handbook for Graduate Students

A detailed presentation of departmental degree requirements and regulations is included in the department’s Graduate Student Handbook, available online.

Graduate Admission

Applicants for the Ph.D. are expected to hold an appropriate M.A. degree.

Completed applications must be submitted by January 1 for fall admission. The Graduate Record Examination general test is required.
Submit your graduate application online.

The University of Kansas
Department of History of Art
Graduate Admissions
Spencer Museum of Art
Ph.D. Degree Requirements

Within two semesters after the completion of M.A. coursework (not counting the semester in which the students finishes M.A. coursework), the student, in consultation with a major advisor, prepares for review by the full Graduate Faculty a Doctoral Program of Study petition that proposes a primary field of specialization and 2 minor fields, 1 of which may be outside the department. The petition, as approved by the faculty, becomes the student’s program of study, which is then overseen by the major advisor and guided by a committee that includes the major- and minor-field advisors.

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Within no more than 2 semesters of passing the comprehensive oral examination, the candidate submits a dissertation proposal for faculty approval. Upon acceptance of the dissertation in final draft form, the candidate must successfully pass the final oral examination (the dissertation defense) to complete the degree.

Handbook for Graduate Students

A detailed presentation of departmental degree requirements and regulations is included in the department’s Graduate Student Handbook, available online.

Graduate Admission

Applicants for the Ph.D. are expected to hold an appropriate M.A. degree.

Admission to the Ph.D. program for students who receive the M.A. degree from KU:
The M.A. student who wishes to be considered for admission to the Ph.D. program must complete and sign the Petition for Continuation in the Ph.D. Program form, which will be distributed at the M.A. exam and collected with the completed exams on day two of testing. It is expected that such students will already have expressed this interest to a potential major field advisor and received that faculty member’s support. The student must pass the M.A. exam in order for his/her petition to be considered by the graduate faculty. After receiving departmental approval for the petition and completing all requirements for the M.A. degree, the student will automatically be entered into the Ph.D. program and will be expected to maintain his/her enrollment as per Graduate Studies guidelines.

M.A. students who do not submit the petition at the time of the M.A. exam will need to reapply for admission to the art history graduate program.

The Combined M.A./Ph.D. student does not need to submit the Petition for Continuation in the Ph.D. Program form. He/she will be automatically evaluated by the graduate faculty upon successfully passing the M.A. exam to determine whether he/she remains eligible to continue to the Ph.D. or if the M.A. is the appropriate terminal degree. In most cases, Combined M.A./Ph.D. students will enter the Ph.D. program upon completion of the requirements for the M.A. degree.
Completed applications must be submitted by **January 1** for fall admission. The Graduate Record Examination general test is required.

Submit your graduate application online.

The University of Kansas  
Department of History of Art  
Graduate Admissions  
Spencer Museum of Art  
1301 Mississippi St., Room 209  
Lawrence, KS 66045-7500

**JUSTIFICATION:**  
The Petition for Continuation in the PhD Program used to be due on Oct. 15 and March 15 (after the student passed the MA exam, which is offered on the W and Th before the fall and spring semesters). We are now tying the Petition for Continuation to the MA exam itself so that any student who takes the MA exam who has already completed MA coursework can be counted by day 20 of the semester (OIRP's cut-off) as a PhD student in our Doctoral Program profile. This also alleviates what used to be a limbo period for our students.

b. **Changes to Existing Degree – M.S. Degree in Physics**

The requested changes to this degree or certificate program are:

**OLD (Current)**

**M.S. Degree in Physics**

The departmental web page with some additional information, e.g., milestones, can be found at [http://www.physics.ku.edu/~physics/graduate/about.shtml](http://www.physics.ku.edu/~physics/graduate/about.shtml)

Candidates must complete a minimum of 30 credit hours of advanced lecture courses (numbered 500 or above) in physics and related subjects within a period of 7 years. Program requirements include

1. An undergraduate knowledge of physics. This must be certified by the department to be at an advanced undergraduate level (600-level KU courses). The certification must be achieved within 12 months (extension possible with recommendation of the graduate admission committee) of entering the program and may require additional coursework. Extension is possible with recommendation of the graduate admission committee. Certification can be achieved in several ways:
   1. A GRE physics score greater than or equal to 650; or
   2. The determination by the graduate director and graduate advisor, based on the diagnostic exam given on entering the program combined with the student’s undergraduate record, that the student understands all major elements of undergraduate physics; or
   3. Successful completion with grade of B or better on all undergraduate courses that the graduate director and/or advisor recommends based on the results of part b. above. The student who has not succeeded in certifying his or her undergraduate physics knowledge in one of the above 3 ways could, within 12 months of starting the program, petition the Graduate Committee for an oral exam on undergraduate physics. The oral exam will be administered by a committee of six faculty members assigned by the department.
   4. A candidate for a Master's or Ph.D. degree who has not had the equivalent of 6 credit hours of advanced undergraduate laboratory course work (Junior/Senior level) is required to take one of the three advanced laboratory courses offered in the Department.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHSX 516</td>
<td>Physical Measurements</td>
<td>4</td>
</tr>
<tr>
<td>PHSX 536</td>
<td>Electronic Circuit Measurement and Design</td>
<td>4</td>
</tr>
<tr>
<td>PHSX 601</td>
<td>Design of Physical and Electronic Systems</td>
<td>4</td>
</tr>
<tr>
<td>PHSX 616</td>
<td>Physical Measurements II</td>
<td></td>
</tr>
</tbody>
</table>
2. Three basic courses:

- **PHSX 711** Quantum Mechanics I
- **PHSX 821** Classical Mechanics
- **PHSX 831** Electrodynamics I

3. 2 additional courses chosen from:

- **PHSX 721** Chaotic Dynamics
- **PHSX 741** Nuclear Physics I
- **PHSX 761** Elementary Particles I
- **PHSX 781** Solid State Physics I
- **PHSX 793** Physical Cosmology
- **PHSX 795** Space Plasma Physics
- **PHSX 815** Computational Methods in Physical Sciences

4. A minimum of 2 hours in **PHSX 899** Master’s Research/Thesis is required, with a maximum of 6 hours that count toward the master’s degree. Ordinarily no more than 2 hours will be allowed unless a thesis or written report is presented.

5. The remaining 9 to 13 hours of advanced electives must be either advanced lecture courses or advanced undergraduate laboratory courses. (This proviso excludes seminars and special problems courses.)

**Communication Skills**

All graduate students, after their first semester, will deliver at least 1 oral presentation per semester. The talk should be at least 20 minutes long. For students not yet associated with a research group, the Graduate Seminar can serve as a venue. For more advanced students the seminar of their research group would be a natural venue. The student does not need to be enrolled in the seminar to present a talk for this purpose. Off-campus venues such as collaboration meetings and physics conferences can also serve this purpose. When giving presentations, students should fill out a form available on the department web site and have it signed by 2 witnesses, 1 of which must be a Physics or Astronomy faculty and other a Ph.D. doing research in the department. The completed form must be handed to the office staff. Faculty members who sign off on the talks are expected to provide constructive feedback to the student. The graduate advisor will monitor student compliance with the requirement.

**General Examination**

Candidates must pass a general oral examination in physics. The examination is given shortly before completion of other work for the degree. A master’s thesis is not required but may be submitted if the candidate and the director of the candidate’s research believe it to be appropriate.

**M.S. Subspecialty in Computational Physics and Astronomy**

This degree is a subspecialty program for students with a background in physics, astronomy, computer science, mathematics, or engineering who wish to become familiar with computer-based approaches to problems in these fields. Minimum preparation expected includes a year's course in general physics, mathematics through differential equations, and a knowledge of FORTRAN, C++, or another programming language.

A total of 30 hours of graduate credit is required. The 33 hours listed below under 2 and 3 may include certain undergraduate-level electrical engineering and computer science courses. (Only courses numbered 500 and above count as graduate credit.) Students entering the program may have satisfied several of these requirements, but a total of 30 hours of graduate credit is still required. No more than the required 6 hours of **PHSX 899** Master’s Research/Thesis may be counted toward the degree. Degree requirements include

1. An undergraduate knowledge of physics. This must be certified by the department to be at an advanced undergraduate level (600-level KU courses). The certification must be achieved within 12 months (extension possible with recommendation of the graduate admission committee) of entering the program and may require additional coursework. Extension is possible with recommendation of the graduate admission committee. Certification can be achieved in several ways:
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3. Successful completion with grade of B or better on all undergraduate courses that the graduate director and/or advisor recommends based on the results of part b above. The student who has not succeeded in certifying their undergraduate physics knowledge in one of the above three ways could, within 12 months of starting the program, petition the Graduate Committee for an oral exam on undergraduate physics. The oral exam will be administered by a committee of six faculty members assigned by the department.
4. A candidate for a Master's or Ph.D. degree who has not had the equivalent of 6 credit hours of advanced undergraduate laboratory course work (junior/senior level) is required to take one of the four advanced laboratory courses offered in the Department:

   - **PHSX 516** Physical Measurements 4
   - **PHSX 536** Electronic Circuit Measurement and Design 4
   - **PHSX 601** Design of Physical and Electronic Systems 4
   - **PHSX 616** Physical Measurements II

   Again, this arrangement is pending CUSA/CAC approval in January 2014.

2. **Required Courses (21 credit hours)**

   - **PHSX/ASTR 815** Computational Methods in Physical Sciences 3
   - **PHSX 718** Mathematical Methods in Physical Sciences 3
   - **MATH/EECS 781** Numerical Analysis I 3

   EECS – 1 course at the 300 level or above (in addition to EECS 781) (Note: courses below the 500 level will not count towards the required 30 hours of graduate credit.)

   One additional PHSX/ASTR/ATMO lecture course at the level or above

   - **PHSX 899** Master's Research/Thesis 1-10

3. **12 or more credits from the following list of courses:**
   (Note: Double counting of courses is not allowed, e.g. a course used to fulfill a requirement under part 2. (e.g. **EECS 448**) may not also be counted under part 3.)

   - **EECS 360** Signal and System Analysis 4
   - **EECS 368** Programming Language Paradigms 3
   - **EECS 388** Embedded Systems 4
   - **EECS 448** Software Engineering I 4
   - **EECS 560** Data Structures 4
   - **EECS 672** Introduction to Computer Graphics 3

   Select one of the following - Special Topics (Examples of recent topics: Mathematics of Wall Street Computer-aided, Study of Differential Geometry, Chaos and Fractals, Fractional Brownian Motion and Its Applications, Wavelet Analysis, Statistical Theory, Stochastic Differential Equations and Applications)

   - **MATH 596** Special Topics: ______
   - **MATH 696** Special Topics: ______
   - **MATH 796** Special Topics: ______
   - **MATH 611** Time Series Analysis 3
   - **MATH 627** Probability 3
   - **MATH 647** Applied Partial Differential Equations 3
4. Communication Skills: All graduate students, after their first semester, will deliver at least one oral presentation per semester. The talk should be at least 20 minutes long. For students not yet associated with a research group, the Graduate Seminar can serve as a venue. For more advanced students the seminar of their research group would be a natural venue. The student does not need to be enrolled in the seminar to present a talk for this purpose. Off-campus venues such as collaboration meetings and physics conferences can also serve this purpose. When giving presentations, students should fill out a form available on the department web site and have it signed by two witnesses, one of which must be a Physics or Astronomy faculty and other a Ph.D. doing research in the department. The completed form must be handed to the office staff. Faculty members who sign off on the talks are expected to provide constructive feedback to the student. The graduate advisor will monitor student compliance with the requirement.

5. Thesis: An important component of this degree is the completion and documentation of a successful computer project. A thesis must be presented that describes the basic physics involved in the project, the method of implementing the project, and a discussion of the results. An oral defense of the thesis is required before a committee of at least three members of the graduate faculty.

Please go to this website to see the University's policy on time limits:
https://documents.ku.edu/policies/Graduate_Studies/maprogramtimeconstraints.htm

New (Proposed) to first appear in the 2014-15 academic catalog

**M.S. Degree in Physics**

The departmental web page with some additional information, e.g., milestones, can be found at http://www.physics.ku.edu/~physics/graduate/about.shtml

Candidates must complete a minimum of 30 credit hours of advanced lecture courses (numbered 500 or above) in physics and related subjects within a period of 7 years. Program requirements include

1. An undergraduate knowledge of physics. This must be certified by the department to be at an advanced undergraduate level (600-level KU courses). The certification must be achieved within 12 months (extension possible with recommendation of the graduate admission committee) of entering the program and may require additional coursework. Extension is possible with recommendation of the graduate admission committee.

Certification can be achieved in several ways:

1. A GRE physics score greater than or equal to 650; or
2. The determination by the graduate director and graduate advisor, based on the diagnostic exam given on entering the program combined with the student's undergraduate record, that the student understands all major elements of undergraduate physics; or
3. Successful completion with grade of B or better on all undergraduate courses that the graduate director and/or advisor recommends based on the results of part b. above. The student who has not succeeded in certifying his or her undergraduate physics knowledge in one of the above 3 ways could, within 12 months of starting the program, petition the Graduate Committee for an oral exam on undergraduate physics. The oral exam will be administered by a committee of six faculty members assigned by the department.

4. A candidate for a Master's or Ph.D. degree who has not had the equivalent of 6 credit hours of advanced undergraduate laboratory course work (Junior/Senior level) is required to take one of the three advanced laboratory courses offered in the Department.

**PHSX 516** Physical Measurements
**PHSX 536** Electronic Circuit Measurement and Design
**PHSX 601** Design of Physical and Electronic Systems

This arrangement is pending CUSA/CAC approval in January 2014.
2. Three basic courses:

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</tr>
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<td>PHSX 831</td>
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<td>3</td>
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3. 2 additional courses chosen from:

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<td>Elementary Particles I</td>
<td>3</td>
</tr>
<tr>
<td>PHSX 781</td>
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</tbody>
</table>

4. A minimum of 2 hours in PHSX 899 Master’s Research/Thesis is required, with a maximum of 6 hours that count toward the master’s degree. Ordinarily no more than 2 hours will be allowed unless a thesis or written report is presented.

5. The remaining 9 to 13 hours of advanced electives must be either advanced lecture courses or advanced undergraduate laboratory courses. (This proviso excludes seminars and special problems courses.)

Communication Skills

All graduate students, after their first semester, will deliver at least 1 oral presentation per semester. The talk should be at least 20 minutes long. For students not yet associated with a research group, the Graduate Seminar can serve as a venue. For more advanced students the seminar of their research group would be a natural venue. The student does not need to be enrolled in the seminar to present a talk for this purpose. Off-campus venues such as collaboration meetings and physics conferences can also serve this purpose. When giving presentations, students should fill out a form available on the department web site and have it signed by 2 witnesses, 1 of which must be a Physics or Astronomy faculty and other a Ph.D. doing research in the department. The completed form must be handed to the office staff. Faculty members who sign off on the talks are expected to provide constructive feedback to the student. The graduate advisor will monitor student compliance with the requirement.

General Examination

Candidates must pass a general oral examination in physics. The examination is given shortly before completion of other work for the degree. A master’s thesis is not required but may be submitted if the candidate and the director of the candidate’s research believe it to be appropriate.

M.S. Subspecialty in Computational Physics and Astronomy

This degree is a subspecialty program for students with a background in physics, astronomy, computer science, mathematics, or engineering who wish to become familiar with computer-based approaches to problems in these fields. Minimum preparation expected includes a year’s course in general physics, mathematics through differential equations, and a knowledge of FORTRAN, C++, or another programming language.

A total of 30 hours of graduate credit is required. The 33 hours listed below under 2 and 3 may include certain undergraduate-level electrical engineering and computer science courses. (Only courses numbered 500 and above count as graduate credit.) Students entering the program may have satisfied several of these requirements, but a total of 30 hours of graduate credit is still required. No more than the required 6 hours of PHSX 899 Master’s Research/Thesis may be counted toward the degree. Degree requirements include
1. An undergraduate knowledge of physics. This must be certified by the department to be at an advanced undergraduate level (600-level KU courses). The certification must be achieved within 12 months (extension possible with recommendation of the graduate admission committee) of entering the program and may require additional coursework. Extension is possible with recommendation of the graduate admission committee. Certification can be achieved in several ways:
   1. A GRE physics score greater than or equal to 650; or
   2. The determination by the graduate director and graduate advisor, based on the diagnostic exam given on entering the program combined with the student's undergraduate record, that the student understands all major elements of undergraduate physics; or
   3. Successful completion with grade of B or better on all undergraduate courses that the graduate director and/or advisor recommends based on the results of part b above. The student who has not succeeded in certifying their undergraduate physics knowledge in one of the above three ways could, within 12 months of starting the program, petition the Graduate Committee for an oral exam on undergraduate physics. The oral exam will be administered by a committee of six faculty members assigned by the department.

4. A candidate for a Master's or Ph.D. degree who has not had the equivalent of 6 credit hours of advanced undergraduate laboratory course work (junior/senior level) is required to take one of the three advanced laboratory courses offered in the Department:

   - PHSX 516 Physical Measurements
   - PHSX 536 Electronic Circuit Measurement and Design
   - PHSX 601 Design of Physical and Electronic Systems

   Again, this arrangement is pending CUSA/CAC approval in January 2014.

2. Required Courses (21 credit hours)

   - PHSX/ASTR 815 Computational Methods in Physical Sciences 3
   - PHSX 718 Mathematical Methods in Physical Sciences 3
   - MATH/EECS 781 Numerical Analysis I 3

   EECS – 1 course at the 300 level or above (in addition to EECS 781) (Note: courses below the 500 level will not count towards the required 30 hours of graduate credit.)

   One additional PHSX/ASTR/ATMO lecture course at the level or above

   - PHSX 899 Master's Research/Thesis 1-10

3. 12 or more credits from the following list of courses:
   (Note: Double counting of courses is not allowed, e.g. a course used to fulfill a requirement under part 2. (e.g. EECS 448) may not also be counted under part 3.)

   - EECS 360 Signal and System Analysis 4
   - EECS 368 Programming Language Paradigms 3
   - EECS 388 Embedded Systems 4
   - EECS 448 Software Engineering I 4
   - EECS 560 Data Structures 4
   - EECS 672 Introduction to Computer Graphics 3

   Select one of the following - Special Topics (Examples of recent topics: Mathematics of Wall Street Computer-aided, Study of Differential Geometry, Chaos and Fractals, Fractional Brownian Motion and Its Applications, Wavelet Analysis, Statistical Theory, Stochastic Differential Equations and Applications)

   - MATH 596 Special Topics: _____ 4
   - MATH 696 Special Topics: _____ 3
   - MATH 796 Special Topics: _____ 3
   - MATH 611 Time Series Analysis 3
   - MATH 627 Probability 3
4. Communication Skills: All graduate students, after their first semester, will deliver at least one oral presentation per semester. The talk should be at least 20 minutes long. For students not yet associated with a research group, the Graduate Seminar can serve as a venue. For more advanced students the seminar of their research group would be a natural venue. The student does not need to be enrolled in the seminar to present a talk for this purpose. Off-campus venues such as collaboration meetings and physics conferences can also serve this purpose. When giving presentations, students should fill out a form available on the department web site and have it signed by two witnesses, one of which must be a Physics or Astronomy faculty and other a Ph.D. doing research in the department. The completed form must be handed to the office staff. Faculty members who sign off on the talks are expected to provide constructive feedback to the student. The graduate advisor will monitor student compliance with the requirement.

5. Thesis: An important component of this degree is the completion and documentation of a successful computer project. A thesis must be presented that describes the basic physics involved in the project, the method of implementing the project, and a discussion of the results. An oral defense of the thesis is required before a committee of at least three members of the graduate faculty.

Please go to this website to see the University's policy on time limits:
https://documents.ku.edu/policies/Graduate_Studies/maprogramtimeconstraints.htm

JUSTIFICATION
The edits noted in yellow above are the proposed changes to the MS. in Physics program. The old requirements were one of the four advanced laboratory courses offered by the department and included two courses that are no longer offered (PHSX 616 and PHSX 636). We therefore substituted PHSX 601, which is a class that satisfies the same learning goals. We want to offer PHSX 601 instead of just removing the PHSX 616/PHSX 636 requirement as it gives our students more flexibility to schedule the requirement, which must be completed in the first year of the program.

c. Changes to Existing Degree – PSHX, PhD

OLD (Current)

Ph.D. Degree Requirements

The departmental web page with some additional information, e.g., milestones, can be found at http://www.physics.ku.edu/~physics/graduate/about.shtml

Residence

To become a Ph.D. candidate, i.e. to take the comprehensive exam:

The student must spend at least 2 semesters, which may include 1 summer session, in resident study at the University of Kansas.

To earn a Ph.D.:

The student must spend at least the equivalent of 3 full academic years in graduate study at this or another approved institution or laboratory. During this period of residence, the student must be involved full-time in academic or professional pursuits, which may include an appointment for teaching or research if the teaching/research is directed specifically toward the student's degree objectives.

Graduate students with half-time assistantships usually require at least 4 years to complete all requirements. Maximum enrollment for students with no other departmental obligations is 16 hours a semester. In addition to satisfying the residence
requirement, a student with a half-time assistantship must be enrolled for at least 6 hours each semester. A maximum of 12 hours is permitted if the student’s duties consist of research that partially fulfills degree requirements. A fellowship holder or full-time student with private support must be enrolled for at least 9 hours.

**Time Limits**

Go to this website to see the University's policy on time limits:
https://documents.ku.edu/policies/Graduate_Studies/docprogramtimeconstraints.htm

**Graduate Teaching Assistantship Eligibility**

To be eligible for teaching assistantships, all graduate students who are not native speakers of English must achieve a minimum score of 50 on the SPEAK test. International students must pass an oral examination to demonstrate English fluency. Students who fail this examination should take courses from the Applied English Center.

Every student who receives a GTA appointment will be required to complete PHSX 702 Introductory Physics Pedagogy at the first offering of the course starting with the semester of the student’s initial GTA appointment. Failure to complete this class at the first opportunity may affect consideration for subsequent GTA appointments.

**Preliminary Candidacy**

To be admitted to preliminary candidacy, each graduate student must satisfy department requirements:

1. Undergraduate knowledge of physics must be certified at the department undergraduate level (600-level KU courses). The ways to achieve this certification are outlined above under Course Requirements.

A candidate for a Master's or Ph.D. degree who has not had the equivalent of 6 credit hours of advanced undergraduate laboratory course work (Junior/Senior level) is required to take one of the four advanced laboratory courses offered in the department.

- **PHSX 516** Physical Measurements I
- **PHSX 536** Electronic Circuits and Measurements
- **PHSX 616** Physical Measurements II
- **PHSX 636** Electronics Design

Achieve a minimum core course grade point average of 3.2. The core course GPA is computed from the following five equally weighted elements:

- Grade obtained in **PHSX 711** Quantum Mechanics I
- Grade obtained in **PHSX 811** Quantum Mechanics II
- Grade obtained in **PHSX 821** Classical Mechanics
- Grade obtained in **PHSX 831** Electrodynamics I
- Average grade of two other PHSX lecture courses numbered 700 or higher, excluding **PHSX 815** (computational physics) and 717 (graduate seminar).

a. Students may repeat one of the four core courses (711, 811, 821, and 831) once for the purpose of improving the core GPA. In calculating the core GPA, the Department will use only the better of the two grades.

b. The two "other PHSX lecture courses numbered 700 or higher" must be taken at KU, but students entering with graduate credit from other institutions may petition the Graduate Committee for transfer credit for any of the four named core courses. For the purposes of the core GPA, grades (of "B" or better) from the previous institution may be used for at most three of the four named courses. For the remaining course the student must obtain written certification of "B" performance or better from the instructor of the course at KU. Such certification may be obtained by taking the course, taking the final exam of the course (if there is one), or other means which the instructor may determine. An appropriate higher-level course may also be used to obtain certification in a core course (for example 911 for 711 or 811, 931 for 831.)

c. Graduate students are normally expected to complete all core courses by the end of their second year of enrollment. Students who are required to complete an undergraduate physics certificate have three years to finish their core courses.
Extensive Applied English Center (AEC) courses, prolonged illness, or extended military service might provide exceptional circumstances.

Decision on Preliminary Candidacy: Once Undergraduate requirements have been certified and sufficient information has been received regarding the required courses, the Graduate Committee will decide whether or not to admit the student to preliminary candidacy. This decision will be based upon the certification and on their core course GPA. The Graduate Committee Chair will report their decision to the Graduate Faculty.

Course Requirements

What follows are the default set of requirements for all Ph.D. candidates.

1. An undergraduate knowledge of physics. This must be certified by the department to be at an advanced undergraduate level (600-level KU courses). The certification must be achieved within 12 months (extension possible with recommendation of the graduate admission committee) of entering the program and may require additional coursework. Extension is possible with recommendation of the graduate admission committee. Certification can be achieved in several ways:

   a. A GRE physics score greater than or equal to 650; or

   b. THE DETERMINATION BY THE GRADUATE DIRECTOR AND GRADUATE ADVISOR, BASED ON the diagnostic exam given on entering the program combined with the student's undergraduate record, that the student understands all major elements of undergraduate physics; or

   c. Successful completion with grade of B or better on all undergraduate courses that the graduate director and/or advisor recommends based on the results of (2). The student who has not succeeded in certifying their undergraduate physics knowledge in one of the above three ways could, within 12 months of starting the program, petition the Graduate Committee for an oral exam on undergraduate physics. The oral exam will be administered by a committee of six faculty members assigned by the department.

   d. A candidate for a Master's or Ph.D. degree who has not had the equivalent of 6 credit hours of advanced undergraduate laboratory course work (Junior/Senior level) is required to take one of the four advanced laboratory courses offered in the Department.

   - PHSX 516 Physical Measurements I
   - PHSX 536 Electronic Circuits and Measurements
   - PHSX 636 Electronics Design

   A total of 11 advanced lecture courses (33 hours) is required. In addition, 1 hour of PHSX 7008 Colloquium, one hour of PHSX 717 Graduate Seminar, and (for GTAs only) one hour of PHSX 702 Introduction to Physics Pedagogy are required.

2. Core courses:

   - PHSX 7113 Quantum Mechanics I
   - PHSX 8114 Quantum Mechanics II
   - PHSX 8215 Classical Mechanics
   - PHSX 8316 Electrodynamics I

3. Other required courses:

   - PHSX 718 Mathematical Methods in Physical Sciences
   - PHSX 815 Computational Methods in Physical Sciences (satisfies Research Skills requirement)
   - PHSX 871 Statistical Physics I
   - PHSX 931 Electrodynamics II

4. Two additional PHSX lecture courses numbered 700 or above. This excludes PHSX 815 (computational physics) and 717 (graduate seminar). The two courses must be in different sub-fields of physics and they may not be used to simultaneously
satisfy other degree requirements in force. (For example, if PHSX 911 is being used to satisfy the PHSX 811 core requirement, it may not also be used to satisfy the requirement for two lecture courses at the 700 level or above.)

5. 1 additional advanced PHSX lecture course (numbered 800 or above; excluding PHSX 815)
6. One credit hour of Colloquium is required (PHSX 700). See “Colloquium and Graduate Seminar for an explanation.”

7. All graduate students, after their first semester, will deliver at least one oral presentation per semester. See “Communication Skills” for an explanation.

The courses listed above comprise the Department course requirements common to all students except those pursuing a multi-disciplinary plan of study, which is described below. There is no foreign language requirement. Subsequent work, consisting of advanced courses in appropriate fields and seminars, will be selected by the student and the advisor on the basis of the student's need and intended field of specialization. There is no prescribed minimum number of hours for the Ph.D. degree. The student's dissertation committee will determine the adequacy of the student's courses and seminars and will specify the total course requirements. Neither the Graduate School nor the Department has a requirement for a minor.

Students who wish to pursue a more multidisciplinary plan of study may incorporate coursework from up to two other natural science, engineering, or mathematics (SEM) departments at KU by substituting non PHSX courses at the 600 level and above from these other disciplines for the three additional electives described in items c) and d) above. The research advisor, or in the absence of one, the Departmental Graduate Advisor (who is the default advisor for all students without a research advisor), shall approve all such outside course choices and provide documentation for the student file on the approved courses and their rationale.

Students who wish to take courses in the social sciences, humanities, or professional schools must submit a detailed plan of study that must be approved by the Physics and Astronomy Graduate Committee. Please note that while these unique plans involving non SEM fields will be considered, there is no guarantee that the plan of study will be approved.

Suggested Course Schedule

A sample academic schedule for a student who has a half-time teaching or research assistantship during the first four semesters is shown below. It includes the core courses for admission to preliminary candidacy (described in a subsequent section) and a set of lecture courses that meet the Ph.D. course requirements. It is the schedule for a full-time resident student with the normal preparation described above and who is working toward the Ph.D. degree. Students admitted with less preparation should begin with less advanced courses. Courses numbered 500 and above carry graduate credit.

The electives listed below, e.g. 741, 781, 795, 911, are purely an illustrative option. Students have the freedom to choose which non-required courses satisfy their elective requirements. Note that this sample schedule may also not apply for a student pursuing a more multidisciplinary plan of study.

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>711 Quantum Mechanics I</td>
<td>3</td>
</tr>
<tr>
<td>718 Mathematical Physics</td>
<td>3</td>
</tr>
<tr>
<td>821 Classical Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>717 Graduate Seminar</td>
<td>1</td>
</tr>
<tr>
<td>702 Introductory Physics Pedagogy</td>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Third Semester</th>
<th>Fourth Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>781 Solid State Physics</td>
<td>3</td>
</tr>
<tr>
<td>911 Quantum Mechanics III</td>
<td>3</td>
</tr>
<tr>
<td>931 Electrodynamics II</td>
<td>3</td>
</tr>
</tbody>
</table>
Communication Skills

All graduate students, after their first semester, will deliver at least one oral presentation per semester. The talk should be at least 20 minutes long. For students not yet associated with a research group, the Graduate Seminar can serve as a venue. For more advanced students the seminar of their research group would be a natural venue. The student does not need to be enrolled in the seminar to present a talk for this purpose. Off-campus venues such as collaboration meetings and physics conferences can also serve this purpose. When giving presentations, students should fill out a form available on the department website and have it signed by two witnesses, one of which must be a Physics or Astronomy faculty and other a Ph.D. doing research in the department. The completed form must be handed to the office staff. Faculty members who sign off on the talks are expected to provide constructive feedback to the student. The graduate advisor will monitor student compliance with the requirement.

Colloquium and Graduate Seminar

All students must enroll in PHSX 700 Colloquium in the sixth semester. Students should have attended at least 75 percent of the regularly scheduled colloquia during the 6 semesters to achieve a passing grade. In Fall of the first year, each graduate student is required to enroll in and attend the graduate seminar (PHSX 717) in order to familiarize themselves with research programs in the Department and gain experience in oral presentations.

Research Skills and Responsible Scholarship

By the end of one year after being admitted to preliminary candidacy, the student must complete PHSX/ASTR 815, Computational Physics and Astronomy, with a grade of "B" or higher in order to satisfy the Research Skills requirement. Note that this course has significant prerequisites in undergraduate Computer Science. The Responsible Scholarship requirement is filled via completion of PHSX 717.

Computing Skill

Students must complete PHSX 815 Computational Methods in Physical Sciences/ASTR 815 Computational Physics and Astronomy with a grade of A or B, preferably within 1 year after admission to preliminary candidacy. This course has significant prerequisites in advanced undergraduate computer science and requires completion of a substantial computer program to solve a physical problem. Note: Contact your department or program for more information about research skills and responsible scholarship, and the current requirements for doctoral students. Current policies on Doctoral Research Skills and Responsible Scholarship are listed in the KU Policy Library.

Comprehensive Examination

Graduate College requirements for the Comprehensive Examination can be found at https://documents.ku.edu/policies/Graduate_Studies/doccomprehensiveorals.htm.

After completing a major portion of the required course work and satisfying the computing skills requirement, the student must pass the comprehensive examination. The Department recommends at least five people for committee membership to the Graduate Division, which makes the final appointments. One committee member must come from outside of the Department to serve as a representative of the Graduate School. Requests to take the examination must be made to the Graduate Coordinator at least three weeks in advance of the date of the examination.

The student will write a 2000 to 4000 word paper on a topic in their chosen sub-field that is relevant to their thesis work. This paper must be presented to the committee at least one week in advance of the scheduled oral exam. The student will make a presentation at the oral examination based upon this paper, and will be examined on the contents of the talk, the paper, and works listed in the paper's bibliography. The bibliography must include at least one recent article from a peer-reviewed journal not authored by the student or the student's advisor. In addition, the committee may ask questions at the oral examination that cover the entire field of physics plus any related material (such as mathematics or chemistry) considered relevant by the examining committee.

In order to pass the comprehensive exam, the student must receive passing grades on both the written and oral components of the exam. The overall grade on this examination, determined by the examining committee, will be "Honors," "Satisfactory," or "Unsatisfactory."

Post-Comprehensive Requirements

Upon passing the comprehensive examination, the student becomes a candidate for the Ph.D. degree. The Graduate Division will then designate the candidate's dissertation committee based on the recommendation of the Department. Each candidate
must complete a research project that has been approved by the committee. The committee establishes the candidate's course requirements and directs the research.

Unless granted a leave of absence, the candidate must be continuously enrolled full-time, including summer sessions, until all requirements for the degree are completed. During this time, the candidate must enroll in a minimum of 6 hours a semester and 3 hours a summer session until the completion of the degree or of 18 hours of post-comprehensive enrollment, whichever comes first. (Post-comprehensive enrollment may include the semester in which the comprehensive examination is passed.) After 18 hours of post-comprehensive enrollment, the candidate must continue to enroll each semester and each summer session until all requirements for the degree have been met. If the student petitions (at https://documents.ku.edu/policies/Graduate_Studies/gta_gra_enroll_dr_fewer_6.pdf) they can enroll for only one hour of credit in spring, summer, and fall and still maintain their GTA or GRA status.

At least once each year after passing the comprehensive examination, the student should schedule a meeting with his or her dissertation committee to discuss progress towards the completion of the dissertation and any other concerns. A report of the committee's consensus of the meeting should be prepared by a member of the committee other than the student's advisor and placed in the student's file. Copies are to be given to the Departmental Chairman, the Graduate Committee Chair, the Graduate Advisor, the Departmental Director of Graduate Studies, and the student.

**Final Oral Examination**

The final oral examination will proceed according to the regulations of Graduate studies. These can be found at https://documents.ku.edu/policies/Graduate_Studies/docfinaloral.htm.

We refer to these requirements below, as they appeared on September 24, 2010, and we have inserted some modified requirements for those students who wish to pursue a more multidisciplinary dissertation topic.

It is the responsibility of the student to make sure that they satisfy the current university requirements.

Completion of the dissertation is the culminating academic phase of a doctoral program, climaxed by the final oral examination and defense of the dissertation. In all but the rarest cases, tentative approval of the dissertation is followed promptly by the final oral examination. When the completed dissertation has been accepted by the committee in final draft form, and all other degree requirements have been satisfied, the chair of the committee requests the Graduate Division to schedule the final oral examination. This request must be made in advance of the desired examination by at least the period specified by the Graduate Division (normally at least three weeks). The submission of the request must allow sufficient time to publicize the examination so that interested members of the university community may attend. At least five months must elapse between the successful completion of the comprehensive oral examination and the date of the final oral examination.

The committee for the final oral examination must consist of at least five members (the members of the dissertation committee plus other members of the Graduate Faculty recommended by the committee chair and the department and appointed by the Graduate Division). The Chair of the committee and three of the other four members must have appointments of some type within the Physics and Astronomy department. One member must be from a department other than the Physics and Astronomy department. The outside member represents Graduate Studies and must be a regular member of the Graduate Faculty. Before the examination, the Graduate Division provides a list of responsibilities to the Graduate Studies representative. The Graduate Studies representative is a voting member of the committee, has full right to participate in the examination, and provides a written report on any unsatisfactory or irregular aspects of the examination to the committee chair, department chair, Graduate Division, and Graduate Studies.

For students (and only those students) who are pursuing a multidisciplinary plan of study -- as defined by their substitution of courses from other departments for PHSX electives as described in the Course Requirements section -- up to two members of the committee, including the one required outside member, may be faculty from other SEM departments with regular, adjunct, or courtesy appointments at KU. The Chair must have an appointment of some type within the Physics and Astronomy department. (Exception: if the primary appointment of the Chair is outside the department, then only one additional committee member may be outside the Department of Physics and Astronomy.) NOTE: It is assumed that these research projects may involve interaction between physics and one or more other SEM disciplines; therefore, the external faculty members may come from up to two different departments. The Graduate Division ascertains whether all other degree requirements have been met and if reports of any previously scheduled final oral examinations have been submitted and recorded. Upon approval of the request, the final oral examination is scheduled at the time and place designated by the Graduate Division. This information must be published in a news medium as prescribed by the Graduate Faculty. Interested members of the university community are encouraged to attend these examinations. For every scheduled final oral
examination, the department reports to the Graduate Division a grade of Honors, Satisfactory, or Unsatisfactory for the candidate's performance. If an Unsatisfactory grade is reported, the candidate may be allowed to repeat the examination on the recommendation of the department.

**New (Proposed) to first appear in the 2014-15 academic catalog**

**Ph.D. Degree Requirements**

The departmental web page with some additional information, e.g., milestones, can be found at [http://www.physics.ku.edu/~physics/graduate/about.shtml](http://www.physics.ku.edu/~physics/graduate/about.shtml)

**Residence**

**To become a Ph.D. candidate, i.e. to take the comprehensive exam:**

The student must spend at least 2 semesters, which may include 1 summer session, in resident study at the University of Kansas.

**To earn a Ph.D.:**

The student must spend at least the equivalent of 3 full academic years in graduate study at this or another approved institution or laboratory. During this period of residence, the student must be involved full-time in academic or professional pursuits, which may include an appointment for teaching or research if the teaching/research is directed specifically toward the student's degree objectives.

Graduate students with half-time assistantships usually require at least 4 years to complete all requirements. Maximum enrollment for students with no other departmental obligations is 16 hours a semester. In addition to satisfying the residence requirement, a student with a half-time assistantship must be enrolled for at least 6 hours each semester. A maximum of 12 hours is permitted if the student’s duties consist of research that partially fulfills degree requirements. A fellowship holder or full-time student with private support must be enrolled for at least 9 hours.

**Time Limits**

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**Graduate Teaching Assistantship Eligibility**

To be eligible for teaching assistantships, all graduate students who are not native speakers of English must achieve a minimum score of 50 on the SPEAK test. International students must pass an oral examination to demonstrate English fluency. Students who fail this examination should take courses from the Applied English Center.

Every student who receives a GTA appointment will be required to complete PHSX 702 Introductory Physics Pedagogy at the first offering of the course starting with the semester of the student’s initial GTA appointment. Failure to complete this class at the first opportunity may affect consideration for subsequent GTA appointments.

**Preliminary Candidacy**

To be admitted to preliminary candidacy, each graduate student must satisfy department requirements:

1. Undergraduate knowledge of physics must be certified at the department undergraduate level (600-level KU courses). The ways to achieve this certification are outlined above under Course Requirements. A candidate for a Master's or Ph.D. degree who has not had the equivalent of 6 credit hours of advanced undergraduate laboratory course work (Junior/Senior level) is required to take one of the three advanced laboratory courses offered in the department.
Achieve a minimum core course grade point average of 3.2. The core course GPA is computed from the following five equally weighted elements:

- Grade obtained in PHSX 711 Quantum Mechanics I
- Grade obtained in PHSX 811 Quantum Mechanics II
- Grade obtained in PHSX 821 Classical Mechanics
- Grade obtained in PHSX 831 Electrodynamics I
- Average grade of two other PHSX lecture courses numbered 700 or higher, excluding PHSX 815 (computational physics) and PHSX 717 (graduate seminar).

a. Students may repeat one of the four core courses (PHSX 711, PHSX 811, PHSX 821, and PHSX 831) once for the purpose of improving the core GPA. In calculating the core GPA, the Department will use only the better of the two grades.

b. The two "other PHSX lecture courses numbered 700 or higher" must be taken at KU, but students entering with graduate credit from other institutions may petition the Graduate Committee for transfer credit for any of the four named core courses. For the purposes of the core GPA, grades (of "B" or better) from the previous institution may be used for at most three of the four named courses. For the remaining course the student must obtain written certification of "B" performance or better from the instructor of the course at KU. Such certification may be obtained by taking the course, taking the final exam of the course (if there is one), or other means which the instructor may determine. An appropriate higher-level course may also be used to obtain certification in a core course (for example for PHSX 711 or PHSX 811, PHSX 931 for PHSX 831).

c. Graduate students are normally expected to complete all core courses by the end of their second year of enrollment. Students who are required to complete an undergraduate physics certificate have three years to finish their core courses. Extensive Applied English Center (AEC) courses, prolonged illness, or extended military service might provide exceptional circumstances.

**Decision on Preliminary Candidacy**

Once Undergraduate requirements have been certified and sufficient information has been received regarding the required courses, the Graduate Committee will decide whether or not to admit the student to preliminary candidacy. This decision will be based upon the certification and on their core course GPA. The Graduate Committee Chair will report their decision to the Graduate Faculty.

**Course Requirements**

What follows are the default set of requirements for all Ph.D. candidates.

1. An undergraduate knowledge of physics. This must be certified by the department to be at an advanced undergraduate level (600-level KU courses). The certification must be achieved within 12 months (extension possible with recommendation of the graduate admission committee) of entering the program and may require additional coursework. Extension is possible with recommendation of the graduate admission committee. Certification can be achieved in several ways:
   1. A GRE physics score greater than or equal to 650; or
   2. THE DETERMINATION BY THE GRADUATE DIRECTOR AND GRADUATE ADVISOR, BASED ON the diagnostic exam given on entering the program combined with the student's undergraduate record, that the student understands all major elements of undergraduate physics; or
   3. Successful completion with grade of B or better on all undergraduate courses that the graduate director and/or advisor recommends based on the results of (2). The student who has not succeeded in certifying their undergraduate physics knowledge in one of the above three ways could, within 12 months of starting the program, petition the Graduate Committee for an oral exam on undergraduate physics. The oral exam will be administered by a committee of six faculty members assigned by the department.
4. A candidate for a Master's or Ph.D. degree who has not had the equivalent of 6 credit hours of advanced undergraduate laboratory course work (Junior/Senior level) is required to take one of the three advanced laboratory courses offered in the Department.

   PHSX 516 Physical Measurements
   PHSX 536 Electronic Circuit Measurement and Design
   PHSX 601 Design of Physical and Electronic Systems

   Again, this arrangement is pending CUSA/CAC approval in January 2014.

2. A total of 11 advanced lecture courses (33 hours) is required. In addition, 1 hour of PHSX 700 Colloquium, one hour of PHSX 717 Graduate Seminar, and (for GTAs only) one hour of PHSX 702 Introduction to Physics Pedagogy are required.

3. Core courses:

   PHSX 711 Quantum Mechanics I 3
   PHSX 811 Quantum Mechanics II 3
   PHSX 821 Classical Mechanics 3
   PHSX 831 Electrodynamics I 3

4. Other required courses:

   PHSX 718 Mathematical Methods in Physical Sciences 3
   PHSX 815 Computational Methods in Physical Sciences (satisfies Research Skills requirement) 3
   PHSX 871 Statistical Physics I 3
   PHSX 931 Electrodynamics II 3

5. Two additional PHSX lecture courses numbered 700 or above. This excludes PHSX 815 (computational physics) and PHSX 717 (graduate seminar). The two courses must be in different sub-fields of physics and they may not be used to simultaneously satisfy other degree requirements in force. (For example, if PHSX 911 is being used to satisfy the PHSX 811 core requirement, it may not also be used to satisfy the requirement for two lecture courses at the 700 level or above.)

6. 1 additional advanced PHSX lecture course (numbered 800 or above; excluding PHSX 815)

7. One credit hour of Colloquium is required (PHSX 700). See “Colloquium and Graduate Seminar for an explanation.”

8. All graduate students, after their first semester, will deliver at least one oral presentation per semester. See “Communication Skills” for an explanation.

The courses listed above comprise the Department course requirements common to all students except those pursuing a multi-disciplinary plan of study, which is described below. There is no foreign language requirement. Subsequent work, consisting of advanced courses in appropriate fields and seminars, will be selected by the student and the advisor on the basis of the student's need and intended field of specialization. There is no prescribed minimum number of hours for the Ph.D. degree. The student's dissertation committee will determine the adequacy of the student's courses and seminars and will specify the total course requirements. Neither the Graduate School nor the Department has a requirement for a minor.

Students who wish to pursue a more multidisciplinary plan of study may incorporate coursework from up to two other natural science, engineering, or mathematics (SEM) departments at KU by substituting non PHSX courses at the 600 level and above from these other disciplines for the three additional electives described in items c) and d) above. The research advisor, or in the absence of one, the Departmental Graduate Advisor (who is the default advisor for all students without a research advisor), shall approve all such outside course choices and provide documentation for the student file on the approved courses and their rationale.

Students who wish to take courses in the social sciences, humanities, or professional schools must submit a detailed plan of study that must be approved by the Physics and Astronomy Graduate Committee. Please note that while these unique plans involving non SEM fields will be considered, there is no guarantee that the plan of study will be approved.
Suggested Course Schedule

A sample academic schedule for a student who has a half-time teaching or research assistantship during the first four semesters is shown below. It includes the core courses for admission to preliminary candidacy (described in a subsequent section) and a set of lecture courses that meet the Ph.D. course requirements. It is the schedule for a full-time resident student with the normal preparation described above and who is working toward the Ph.D. degree. Students admitted with less preparation should begin with less advanced courses. Courses numbered 500 and above carry graduate credit.

The electives listed below, e.g. PHSX 741, PHSX 781, PHSX 795, PHSX 911, are purely an illustrative option. Students have the freedom to choose which non-required courses satisfy their elective requirements. Note that this sample schedule may also not apply for a student pursuing a more multidisciplinary plan of study.

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHSX 711</td>
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<td>PHSX 811</td>
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<tr>
<td>PHSX 821</td>
<td>3</td>
<td>PHSX 815</td>
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<td>PHSX 717</td>
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<td>PHSX 831</td>
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<td></td>
</tr>
<tr>
<td>PHSX 702</td>
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<tr>
<td>PHSX 718</td>
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<td></td>
<td>11</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2</th>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHSX 781</td>
<td>3</td>
<td>PHSX 741</td>
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<td>PHSX 911</td>
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<td>PHSX 795</td>
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<td>3</td>
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<tr>
<td></td>
<td>9</td>
<td></td>
<td>9</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours: 38

Communication Skills

All graduate students, after their first semester, will deliver at least one oral presentation per semester. The talk should be at least 20 minutes long. For students not yet associated with a research group, the Graduate Seminar can serve as a venue. For more advanced students the seminar of their research group would be a natural venue. The student does not need to be enrolled in the seminar to present a talk for this purpose. Off-campus venues such as collaboration meetings and physics conferences can also serve this purpose. When giving presentations, students should fill out a form available on the department web site and have it signed by two witnesses, one of which must be a Physics or Astronomy faculty and other a Ph.D. doing research in the department. The completed form must be handed to the office staff. Faculty members who sign off on the talks are expected to provide constructive feedback to the student. The graduate advisor will monitor student compliance with the requirement.

Colloquium and Graduate Seminar

All students must enroll in PHSX 700 Colloquium in the sixth semester. Students should have attended at least 75 percent of the regularly scheduled colloquia during the 6 semesters to achieve a passing grade. In Fall of the first year, each graduate student is required to enroll in and attend the graduate seminar (PHSX 717) in order to familiarize themselves with research programs in the Department and gain experience in oral presentations.

Research Skills and Responsible Scholarship

By the end of one year after being admitted to preliminary candidacy, the student must complete PHSX 815/ASTR 815, Computational Physics and Astronomy, with a grade of "B" or higher in order to satisfy the Research Skills requirement. Note that this course has significant prerequisites in undergraduate Computer Science. The Responsible Scholarship requirement is filled via completion of PHSX 717.
Computing Skill

Students must complete PHSX 815 Computational Methods in Physical Sciences/ASTR 815 Computational Physics and Astronomy with a grade of A or B, preferably within 1 year after admission to preliminary candidacy. This course has significant prerequisites in advanced undergraduate computer science and requires completion of a substantial computer program to solve a physical problem.

Note: Contact your department or program for more information about research skills and responsible scholarship, and the current requirements for doctoral students. Current policies on Doctoral Research Skills and Responsible Scholarship are listed in the KU Policy Library.

Comprehensive Examination

Graduate College requirements for the Comprehensive Examination can be found at https://documents.ku.edu/policies/Graduate_Studies/doccomprehensiveorals.htm.

After completing a major portion of the required course work and satisfying the computing skills requirement, the student must pass the comprehensive examination. The Department recommends at least five people for committee membership to the Graduate Division, which makes the final appointments. One committee member must come from outside of the Department to serve as a representative of the Graduate School. Requests to take the examination must be made to the Graduate Coordinator at least three weeks in advance of the date of the examination.

The student will write a 2000 to 4000 word paper on a topic in their chosen sub-field that is relevant to their thesis work. This paper must be presented to the committee at least one week in advance of the scheduled oral exam. The student will make a presentation at the oral examination based upon this paper, and will be examined on the contents of the talk, the paper, and works listed in the paper's bibliography. The bibliography must include at least one recent article from a peer-reviewed journal not authored by the student or the student's advisor. In addition, the committee may ask questions at the oral examination that cover the entire field of physics plus any related material (such as mathematics or chemistry) considered relevant by the examining committee.

In order to pass the comprehensive exam, the student must receive passing grades on both the written and oral components of the exam. The overall grade on this examination, determined by the examining committee, will be "Honors," "Satisfactory," or "Unsatisfactory."

Post-Comprehensive Requirements

Upon passing the comprehensive examination, the student becomes a candidate for the Ph.D. degree. The Graduate Division will then designate the candidate's dissertation committee based on the recommendation of the Department. Each candidate must complete a research project that has been approved by the committee. The committee establishes the candidate's course requirements and directs the research.

Unless granted a leave of absence, the candidate must be continuously enrolled full-time, including summer sessions, until all requirements for the degree are completed. During this time, the candidate must enroll in a minimum of 6 hours a semester and 3 hours a summer session until the completion of the degree or of 18 hours of post-comprehensive enrollment, whichever comes first. (Post-comprehensive enrollment may include the semester in which the comprehensive examination is passed.) After 18 hours of post-comprehensive enrollment, the candidate must continue to enroll each semester and each summer session until all requirements for the degree have been met. If the student petitions (at https://documents.ku.edu/policies/Graduate_Studies/gta_gra_enroll_dr_fewer_6.pdf) they can enroll for only one hour of credit in spring, summer, and fall and still maintain their GTA or GRA status.

At least once each year after passing the comprehensive examination, the student should schedule a meeting with his or her dissertation committee to discuss progress towards the completion of the dissertation and any other concerns. A report of the committee's consensus of the meeting should be prepared by a member of the committee other than the student's advisor and placed in the student's file. Copies are to be given to the Departmental Chairman, the Graduate Committee Chair, the Graduate Advisor, the Departmental Director of Graduate Studies, and the student.
Final Oral Examination

The final oral examination will proceed according to the regulations of Graduate studies. These can be found at https://documents.ku.edu/policies/Graduate_Studies/docfinaloral.htm.

We refer to these requirements below, as they appeared on September 24, 2010, and we have inserted some modified requirements for those students who wish to pursue a more multidisciplinary dissertation topic.

It is the responsibility of the student to make sure that they satisfy the current university requirements.

Completion of the dissertation is the culminating academic phase of a doctoral program, climaxed by the final oral examination and defense of the dissertation. In all but the rarest cases, tentative approval of the dissertation is followed promptly by the final oral examination. When the completed dissertation has been accepted by the committee in final draft form, and all other degree requirements have been satisfied, the chair of the committee requests the Graduate Division to schedule the final oral examination. This request must be made in advance of the desired examination by at least the period specified by the Graduate Division (normally at least three weeks). The submission of the request must allow sufficient time to publicize the examination so that interested members of the university community may attend. At least five months must elapse between the successful completion of the comprehensive oral examination and the date of the final oral examination.

The committee for the final oral examination must consist of at least five members (the members of the dissertation committee plus other members of the Graduate Faculty recommended by the committee chair and the department and appointed by the Graduate Division). The Chair of the committee and three of the other four members must have appointments of some type within the Physics and Astronomy department. One member must be from a department other than the Physics and Astronomy department. The outside member represents Graduate Studies and must be a regular member of the Graduate Faculty. Before the examination, the Graduate Division provides a list of responsibilities to the Graduate Studies representative. The Graduate Studies representative is a voting member of the committee, has full right to participate in the examination, and provides a written report on any unsatisfactory or irregular aspects of the examination to the committee chair, department chair, Graduate Division, and Graduate Studies.

For students (and only those students) who are pursuing a multidisciplinary plan of study -- as defined by their substitution of courses from other departments for PHSX electives as described in the Course Requirements section -- up to two members of the committee, including the one required outside member, may be faculty from other SEM departments with regular, adjunct, or courtesy appointments at KU. The Chair must have an appointment of some type within the Physics and Astronomy department. (Exception: if the primary appointment of the Chair is outside the department, then only one additional committee member may be outside the Department of Physics and Astronomy.) NOTE: It is assumed that these research projects may involve interaction between physics and one or more other SEM disciplines; therefore, the external faculty members may come from up to two different departments. The Graduate Division ascertains whether all other degree requirements have been met and if reports of any previously scheduled final oral examinations have been submitted and recorded. Upon approval of the request, the final oral examination is scheduled at the time and place designated by the Graduate Division. This information must be published in a news medium as prescribed by the Graduate Faculty. Interested members of the university community are encouraged to attend these examinations. For every scheduled final oral examination, the department reports to the Graduate Division a grade of Honors, Satisfactory, or Unsatisfactory for the candidate's performance. If an Unsatisfactory grade is reported, the candidate may be allowed to repeat the examination on the recommendation of the department.

JUSTIFICATION
The edits noted in yellow above are the proposed changes to the Ph.D. in Physics program. The old requirements were one of the four advanced laboratory courses offered by the department and included two courses that are no longer offered (PHSX 616 and PHSX 636). We therefore substituted PHSX 601, which is a class that satisfies the same learning goals. We want to offer PHSX 601 instead of just removing the PHSX 616/PHSX 636 requirement as it gives our students more flexibility to schedule the requirement, which must be completed in the first year of the program.

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

A. Curricular Changes for Approval

ANTHROPOLOGY

CHANGE: NEW COURSE
ANTH 569 CONTEMPORARY CENTRAL AMERICA & MEXICO 3 S
Mexico and Central America have formed a cultural interaction zone for thousands of years, and today share common challenges, particularly political, economic, and social ones related to the Spanish colonial legacy, U.S. involvement, and their place in the global economy. Some of the issues addressed include racism, civil war, migration, youth gangs, narco-trafficking, resource extraction, homeless children, the transition from local subsistence economies to low-income work, and struggles for indigenous rights. Prerequisite: ANTH 160/162/360, ANTH 108/308, or LAA 100.

ASTRONOMY

CHANGE: NEW COURSE
ASTR 400 TOPICS IN ASTRONOMY: _____ 1-3 N
A course on special topics in astronomy. Course may be repeated for different topics. Each section may have additional prerequisites to be determined by the instructor.

EAST ASIAN LANGUAGES & CULTURES

CHANGE: COURSE DESCRIPTION
JPN 100 BEGINNING JAPANESE I 3 U
(OLD) An introduction to Japanese for students enrolling in the Summer Study Abroad Program. Familiarity with the basic structural patterns of the language is stressed through general conversation. The hiragana and katakana syllabaries are introduced. LEC

JPN 100 BEGINNING JAPANESE I 3 U
(NEW) An introduction to Japanese. Familiarity with the basic structural patterns of the language through conversation is stressed. The hiragana and katakana syllabaries are introduced and a few characters are learned. Usually offered as part of a Summer Study Abroad Program.

EUROPEAN STUDIES

CHANGE: DELETE COURSE
EURS 401 BUSINESS, CULTURE, AND SOCIETY: WESTERN EUROPE 3 H
This course will be a team-taught interdisciplinary overview of issues related to business in Western Europe. Directed primarily at sophomores and juniors, the course will be open to both business and non-business majors. This course may be taken concurrently with language or area studies courses and is designed to reinforce the linkages between language, area studies, and international business. (Same as IBUS 305.) Prerequisite: Sophomore standing. LEC

GERMANIC LANGUAGES & LITERATURES

CHANGE: NEW COURSE
GERM 111 INTRODUCTION TO GERMAN I 3 U
Introduction to German for special purposes; no previous German required. Provides basic familiarity with the German language, focusing on speaking and reading skills and the essentials of German grammar. Introduction to the culture of the German-speaking world. Three class hours per week; may be delivered by video conference or face-to-face. Does not satisfy any KU language requirement.

CHANGE: NEW COURSE
GERM 112 INTRODUCTION TO GERMAN II 3 U
Continuation of Germ 111. Further development of basic familiarity with the German language, focusing on speaking and reading skills and the essentials of German grammar. Continued exploration of the culture of the German-speaking world. Three class hours per week; may be delivered by video conference or face-to-face. Does not satisfy any KU language requirement. Prerequisite: Germ 111 or permission of instructor.
CHANGE: NEW COURSE

GERM 113  INTRODUCTION TO GERMAN III  1.5  U
Continuation of Germ 112. Further development of basic familiarity with the German language, focusing on speaking and reading skills and the essentials of German grammar. Continued exploration of the culture of the German-speaking world. Three class hours per week; may be delivered by video conference or face-to-face. Does not satisfy any KU language requirement. Prerequisite: Germ 112 or permission of instructor.

CHANGE: NEW COURSE

GERM 333  GERMAN CONVERSATION AND IDIOMS  3  H
Intensive practice in conversational German with instruction in proper pronunciation as well as an introduction to idiomatic usage. Only for students in the KU summer language institute in Holzkirchen, Germany. Prerequisite: GERM 202 or equivalent fourth-semester German course.

HISTORY

CHANGE: NEW CROSS-LISTED COURSE

HIST 351  AMERICAN INDIAN AND WHITE RELATIONS TO 1865  3  H
This course provides an intensive survey of the Indians of North America from Prehistory to 1865, and focuses on ancient indigenous cultures, early European-Indian relations and the impact of European culture upon the indigenous peoples of North America. LEC (Same as HWC 348, ISP 348)

HUMANITIES AND WESTERN CIVILIZATION

CHANGE: NEW CROSS-LISTED COURSE

HWC 348  AMERICAN INDIAN AND WHITE RELATIONS TO 1865  03  H
This course provides an intensive survey of the Indians of North America from Prehistory to 1865, and focuses on ancient indigenous cultures, early European-Indian relations and the impact of European culture upon the indigenous peoples of North America. LEC (Same as HIST 351, ISP 348)

INDIGENOUS STUDIES

CHANGE: NEW CROSS-LISTED COURSE

ISP 348  AMERICAN INDIAN AND WHITE RELATIONS TO 1865  03  H
This course provides an intensive survey of the Indians of North America from Prehistory to 1865, and focuses on ancient indigenous cultures, early European-Indian relations and the impact of European culture upon the indigenous peoples of North America. LEC (Same as HWC 348, HIST 351)

PHYSICS

CHANGE: NEW COURSE

PHSX 210  GENERAL PHYSICS I FOR ENGINEERS  3  N
Introduction to classical mechanics and thermodynamics designed for students in the School of Engineering. Students not admitted to the School of Engineering must receive permission from instructor. PHSX 210 and PHSX 211 cannot both be taken for credit. Students with credit in PHSX 114 can obtain only one hour of credit. Prerequisite: MATH 121 with a grade of C or better; courses in high school physics and/or chemistry recommended. LEC

CHANGE: PREREQUISITE

PHSX 212  GENERAL PHYSICS II  1-3  N
(OLD) Study of electricity and magnetism, waves and sound. In special circumstances, permission to enroll for fewer than three hours credit may be obtained from the department. Students with credit in PHSX 115 can obtain only one hour of credit. Prerequisite: PHSX 211 and PHSX 216 or PHSX 213. Corequisite: MATH 122.

PHSX 212  GENERAL PHYSICS II  1-3  N
(NEW) Study of electricity and magnetism, waves and sound. In special circumstances, permission to enroll for fewer than three hours credit may be obtained from the department. Students with credit in PHSX 115 can obtain only one hour of credit. Prerequisite: PHSX 211, PHSX 210 or PHSX 213. Corequisite: MATH 122.

CHANGE: PREREQUISITE

PHSX 214  GENERAL PHYSICS II HONORS  1-4  N
An honors section of PHSX 212 and PHSX 236. Credit for fewer than four hours requires permission of the department. Recommended for students with a strong math background who are either in the University Honors Program or intending to major in a physical science. Prerequisite: PHSX 211 and PHSX 216, or PHSX 213, and permission of instructor. Corequisite: MATH 122.

PHSX 214
GENERAL PHYSICS II HONORS 1-4

An honors section of PHSX 212 and PHSX 236. Credit for fewer than four hours requires permission of the department. Recommended for students with a strong math background who are either in the University Honors Program or intending to major in a physical science. Prerequisite: PHSX 216 together with either PHSX 211 or PHSX 210; or PHSX 213, and permission of instructor. Corequisite: MATH 122.

CHANGE: PREREQUISITE DESCRIPTION

PHSX 216
GENERAL PHYSICS I LABORATORY 1
Experiments in classical mechanics and thermodynamics. Counts as a laboratory science when accompanied by PHSX 211. Pre- or Corequisite: PHSX 211. LAB

RUSSIAN & EAST EUROPEAN STUDIES

CHANGE: CREDIT
REES 480
TOPICS IN RUSSIAN & EAST EUROPEAN STUDIES 3
Interdisciplinary examination of topics involving two or more disciplines in Russian, East European, and Eurasian studies

B. Degree Requirements for Approval

Changes to Existing Major – GIST and Change to Existing Minor – GIST

PROPOSAL

NOTE: In order to comparatively illustrate the desired changes, the intended changes are in the column on the left while the old catalog text is located in the right column. Red highlighting is used to pinpoint change and is mostly used for the new text on the left. Where text was simply omitted, that text is rendered in red on the right.

<table>
<thead>
<tr>
<th>Bachelor of Arts in Global and International Studies – NEW</th>
<th>Bachelor of Arts in Global and International Studies – OLD</th>
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<tbody>
<tr>
<td><strong>Course Requirements for Admission</strong></td>
<td><strong>Course Requirements</strong></td>
</tr>
<tr>
<td>1. Fourth-semester proficiency language course (or demonstrated proficiency).</td>
<td>1. Fourth-semester proficiency language course (or demonstrated proficiency).</td>
</tr>
<tr>
<td>2. One course from the following list:</td>
<td>2. Any 3 of the following general requirements for the major:</td>
</tr>
<tr>
<td>o ABSC 150: Community Leadership</td>
<td>• ABSC 150 Community Leadership</td>
</tr>
<tr>
<td>o ANTH 108/308: Introduction to Cultural Anthropology</td>
<td>• ANTH 108/ANTH 109 or ANTH 308 Introduction to Cultural Anthropology</td>
</tr>
<tr>
<td>o ANTH 160/360: Varieties of Human Experience</td>
<td>• ECON 104/ECON 105 Introductory Economics or ECON 144/ECON 145 Principles of Macroeconomics</td>
</tr>
<tr>
<td>o ECON 104/105: Introductory Economics</td>
<td>• GEOG 100 World Regional Geography or GEOG 102 Principles of Human Geography</td>
</tr>
<tr>
<td>o ECON 144/145: Principles of Macroeconomics</td>
<td>• HIST 308 Key Themes in Modern Global History or POLS 150/POLS 151 Introduction to Comparative Politics or POLS 170/POLS 171 Introduction to International Politics</td>
</tr>
<tr>
<td>o GEOG 102/103: Principles of Human Geography</td>
<td></td>
</tr>
</tbody>
</table>
Grade-Point Average Requirements

A minimum grade-point average of 2.70 is required.

**Grade-Point Average Calculation.** The admission grade-point average calculation includes all designated admission courses. KU’s course repeat policy applies to the grade-point average calculation. If a student has taken more than the minimum number of course options in the application term, grades received in any designated admission course requirement up to and including that term may be computed in the grade-point average for admission consideration. Only course grades from repeated lower-level courses, meeting the standards of the KU course repeat policy, are omitted from the grade-point average calculation.

Application Term

Declaration of the Global and International Studies Major should occur in the term in which designated admission requirements will be initially completed.

Degree Requirements

**Requirements for the B.A. Major.**

**Global & International Studies Core Knowledge and Skills.** (2 units/ 6 hours) – Courses must be completed prior to the declaration of the major.

1. One course from the following list:
   - ABSC 150: Community Leadership
   - ANTH 108/308: Introduction to Cultural Anthropology
   - ANTH 160/360: Varieties of Human Experience
   - ECON 104/105: Introductory Economics
   - ECON 144/145: Principles of Macroeconomics
   - GEOG 100: World Regional Geography
   - GEOG 102/103: Principles of Human Geography
   - GIST 250: Introduction to Globalization
   - HIST 308: Key Themes in Modern Global History
   - POLS 150/151: Introduction to Comparative Politics
   - REL 106: Living Religions of the East
   - REL 107: Living Religions of the West
   - SOC 130/131 Comparative Societies

2. GIST 301: Introduction to Global and International Studies

**Additional Language.** (3-5 hours/ 1 unit) Satisfied by completing one additional foreign language course (3 hours)

   - REL 106 Living Religions of the East or
   - REL 107 Living Religions of the West
   - SOC 130/SOC 131 Comparative Societies

**Grade-Point Average Requirements**

A minimum grade-point average of 2.70 is required.

**Grade-Point Average Calculation.** The admission grade-point average calculation includes all designated admission courses. It may not include all KU course work. KU’s course repeat policy applies to the grade-point average calculation. If a student has taken more than the minimum number of course options in the application term, grades received in any designated admission course requirement up to and including that term may be computed in the grade-point average for admission consideration. Only course grades from repeated lower-level courses, meeting the standards of the KU course repeat policy, are omitted from the grade-point average calculation.

Application Term

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

Degree Requirements

**Requirements for the B.A. Major**

**Global & International Studies Core Knowledge and Skills.** Satisfied by completion of 3 courses from the following categories:

   - ABSC 150 Community Leadership
   - ANTH 108/ANTH 109 or
   - ANTH 308 Introduction to Cultural Anthropology
   - ECON 104/ECON 105 Introductory Economics or
   - ECON 144/ECON 145 Principles of Macroeconomics
   - GEOG 100 World Regional Geography or
   - GEOG 102 Principles of Human Geography
   - HIST 308 Themes in Modern Global History
   - POLS 150/POLS 151 Introduction to Comparative Politics or
   - POLS 170/POLS 171 Introduction to International Politics
   - REL 106 Living Religions of the East or
   - REL 107 Living Religions of the West
   - SOC 130/SOC 131 Comparative Societies

**Second Language.** Satisfied by completing 3 hours beyond the CLAS B.A. degree requirements (300 level or above). Students
Regional Expertise. (9 hours / 3 units) Majors must take 3 courses on one of the following regions of the world: Africa; the Middle East; Asia; Latin America and the Caribbean; Western Europe; and Russia, Eastern Europe and Central Asia. Of these 9 hours, a minimum of 6 must be at the 300 level or above and at least 3 of these must be taken from a regional overview course listed with the respective regions below.

- **Africa** (9 Required). Satisfied by completing either AAAS 542, AAAS 305 or AAAS 300 and 2 additional approved courses about Africa.
- **The Middle East** (9 Required). Satisfied by completing either HIST 328 or POLS 661 and 2 additional approved courses about the Middle East.
- **Asia** (9 Required). Satisfied by completing either EALC 331, EALC 380 or EALC 656 and 2 additional approved courses about Asia.
- **Latin America & the Caribbean** (9 Required). Satisfied by completing LAA 300 and 2 additional approved courses about Latin America and the Caribbean.
- **Western Europe** (9 Required). Satisfied by completing either EURS 302, EURS 503, or EURS 604 and 2 additional approved courses about Western Europe.
- **Russia, Eastern Europe, & Central Asia** (9 Required). Satisfied by completing either REES 492, REES 220, or REES 110 and 2 additional approved courses about Russia, Eastern Europe and Central Asia.

Global & International Studies Substantive Specialization (9 hours / 3 units). Students must take 3 courses in one of the specialization fields. The content of these courses must be global, trans-regional or relating to countries and regions outside of the student’s regional specialization. Of these 9 hours, a minimum of 6 must be at the 300 level of above.

**Comparative Political & Social Systems** (9 Required). Satisfied by completing 3 approved courses in comparative political and social systems.

**International Business and the Global Economy** (9 Required). Satisfied by completing 3 approved courses about the global economy.

**Culture, Ethnicity, and Belief** (9 Required). Satisfied by completing 3 approved courses about culture, ethnicity, and belief systems.

with native proficiency in a language other than English may take one course in a third language or one upper-division language course (300 level or higher) taught in their native language. In the case of languages not offered beyond the fourth semester at KU, an additional semester course addressing the culture and society of the region in which the language is spoken satisfies the requirement.

Seminar in... Satisfied by: GIST 698 or GIST 699.

Global & International Studies Substantive Specialization. Students must take 3 courses in 1 of the specialization fields. The content of these courses must be global, trans-regional or relating to countries and regions outside of the student’s regional specialization.

**Comparative Political & Social Systems** (9 Required). Satisfied by completing 3 approved courses in comparative political and social systems. Approved courses available at the Center for Global and International Studies in 318 Blake.


**Culture, Ethnicity, and Belief** (9 Required). Satisfied by
Literature, Popular Culture, and the Arts in the Global Context (9 Required). Satisfied by completing 3 approved courses about literature, popular culture, and/or the arts in the global context.

Gender & Sexuality in the Global Context (9 Required). Satisfied by completing 3 approved courses about gender and sexuality in the global context.

The Global Environment (9 Required). Satisfied by completing 3 approved courses about the global environment.

NOTE: Students may not use the same class to fulfill both a regional expertise and a substantive specialization requirement. Not all courses which satisfy the regional expertise and substantive specialization requirements will be offered every year. Students may petition to have a course not on the list count toward the regional expertise or substantive specialization requirements. Petition forms can be downloaded from the website (http://global.ku.edu/academics/major.shtml) and should be submitted to the undergraduate advisor at the center.

The Capstone Research Coursework (6 hours/ 2 units) Satisfied by the completion of the following two courses:

- GIST 610: Interdisciplinary Research Methods for Global Contexts (3 hours)—student must complete GIST 301 prior to taking this course.
- GIST 698: Capstone or GIST 699: Capstone, Honors (3 hours)—student must complete GIST 610 prior to taking this course.

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 33 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 48 21 hours from junior/senior courses (300+) in the major.

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

Honors

Departmental Honors. To graduate with honors in global and international studies, students must complete all requirements for the major plus GIST 699. Honors Capstone with a 3.5 grade-point average in the major and a 3.25 cumulative grade-point average. The honors seminar allows students to receive individualized assistance from a faculty member while they write their thesis. To enroll in the program, students must have a 3.5 grade-point average in the courses making up the global and international studies major and a 3.25 cumulative grade-point average. Students completing 3 approved courses about culture, ethnicity, and belief systems. Approved courses available at the Center for Global and International Studies in 318 Blake.

Literature, Popular Culture, and the Arts in the Global Context (9 Required). Satisfied by completing 3 approved courses about literature, popular culture, and/or the arts in the global context.


Graduation Plan

With careful planning and commitment to a full-time course load, you can graduate in 4 years. Download a sample 4-year plan for global and international studies.

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 33 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 18 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

Honors

Departmental Honors

To graduate with honors in global and international studies, undergraduates must complete the requirements for the major plus GIST 699 Capstone Seminar, Honors. The honors seminar helps students write their theses and allows them to learn from each other in a small-group setting.

To enroll in the program, students must have a 3.5 grade-point
must obtain approval of their research topic by a faculty member affiliated with the Center for Global and International Studies who will serve as their thesis director. Each student who completes an honor's thesis must defend it in an oral examination before a thesis committee of three faculty members. The student's thesis director chairs and chooses the committee in consultation with the student and the center director.

Each student who completes an honor's thesis must defend it in an oral examination before a thesis committee of three faculty members. The student's thesis director chairs and chooses the committee in consultation with the student and the center director. A copy of the thesis is deposited at the center.

Applications for the global and international studies honors program are available in 318 Blake Hall.

Requirements for the Minor – New

Students selecting this minor must complete the following:

GIST Minor Core Requirements

Global & International Studies Core Knowledge and Skills. (6 credit hours/ 2 Units) Satisfied by completion of one course from the following list:

- ABSC 150: Community Leadership
- ANTH 108/308: Introduction to Cultural Anthropology
- ANTH 160/360: Varieties of Human Experience
- ECON 104/105: Introductory Economics
- ECON 144/145: Principles of Macroeconomics
- GEOG 102/103: Principles of Human Geography
- GIST 250: Introduction to Globalization
- HIST 308: Key Themes in Modern Global History
- POLS 150/151: Introduction to Comparative Politics
- POLS 170/171: Introduction to International Politics
- REL 106: Living Religions of the East
- REL 107: Living Religions of the West
- SOC 130/131 Comparative Societies

Students must also take: GIST 301: Introduction to Global and International Studies

GIST Regional Expertise. (6 hours/ 2 units) Students must take 2 courses on one of the following regions of the world: Africa; the Middle East; Asia; Latin America and the Caribbean; Western Europe; and Russia, Eastern Europe and Central Asia. Of these 6 hours, a minimum of 3 must be at the 300 level or above and one of these courses must be taken from a regional overview course listed with the respective regions below. Additional courses may be appropriate to fulfill the Regional Expertise and the Substantive Specialization requirement if average in the courses making up the global and international studies major and a 3.25 cumulative grade-point average, both of which must be maintained throughout the final years of enrollment. In addition, students must obtain approval of their research topic by a faculty member affiliated with the Center for Global and International Studies who will serve as their thesis director.

Requirements for the Minor – Old

Students selecting this minor must complete the following:

GIST Minor Core Requirements

Global & International Studies Core Knowledge and Skills. Satisfied by completion of 2 courses from the following categories:

- ABSC 150 Community Leadership
- ANTH 108/ANTH 109 or ANTH 308 Introduction to Cultural Anthropology
- ECON 104/ECON 105 Introductory Economics
- ECON 144/ECON 145 Principles of Macroeconomics
- GEOG 100 World Regional Geography or GEOG 102 Principles of Human Geography
- HIST 308 Key Themes in Modern Global History
- POLS 150/POLS 151 Introduction to Comparative Politics or POLS 170/POLS 171 Introduction to International Politics
- REL 106 Living Religions of the East or REL 107 Living Religions of the West
- SOC 130/SOC 131 Comparative Societies

GIST Regional Expertise. Global & International Studies Regional Expertise Requirement. Students must take 2 courses on 1 of the following regions of the world: Africa; the Middle East; Asia; Latin America and the Caribbean; Western Europe; and Russia, Eastern Europe and Central Asia. Of these 6 hours, a minimum of 3 must be at the 300 level or above. 6 hours from a KU or KU-affiliated study abroad program may be counted toward this requirement provided that students obtain prior approval from the undergraduate advisor. A list of the courses that satisfy the requirement by region is available at the Center for Global and International Studies in 318 Blake.
approved by the Center for Global and International Studies.

- **Africa** (6 Required). Satisfied by completing either AAAS 542, AAAS 305 or AAAS 300 and 1 additional approved course about Africa.
- **The Middle East** (6 Required). Satisfied by completing either HIST 328 or POLS 661 and 1 additional approved course about the Middle East.
- **Asia** (6 Required). Satisfied by completing either EALC 331, EALC 380 or EALC 656 and 1 additional approved course about Asia.
- **Latin America & the Caribbean** (6 Required). Satisfied by completing LAA 300 and 1 additional approved course about Latin America and the Caribbean.
- **Western Europe** (6 Required). Satisfied by completing either EURS 302, EURS 503, or EURS 604 and 1 additional approved course about Western Europe.
- **Russia, Eastern Europe, & Central Asia** (6 Required). Satisfied by completing either REES 492, REES 220, or REES 110 and 1 additional approved course about Russia, Eastern Europe and Central Asia.

**GIST Substantive Specialization**

**Global & International Studies Substantive Specialization Requirement.** Students must take 2 courses in 1 of the specialization fields. The content of these courses must be global, trans-regional or relating to countries and regions outside of the student’s regional specialization.

- **Comparative Political & Social Systems.** Satisfied by 2 approved courses in comparative political and social systems.
- **International Business and the Global Economy.** Satisfied by 2 approved courses about the global economy.
- **Literature, Popular Culture, and the Arts in the Global Context.** Satisfied by 2 approved courses about literature, popular culture, and/or the arts in the global context.
- **Culture, Ethnicity, and Belief.** Satisfied by 2 approved courses about culture, ethnicity, and belief systems.
- **Gender & Sexuality in the Global Context.** Satisfied by 2 approved courses about gender and sexuality in the global context.
- **The Global Environment.** Satisfied by 2 approved courses about the global environment.

Courses may be appropriate to fulfill the Regional Expertise and the Substantive Specialization requirement if approved by the Center for Global and International Studies.

- **Africa.** Satisfied by completing 2 approved courses about Africa. Approved courses available at the Center for Global and International Studies in 318 Blake.
- **The Middle East.** Satisfied by completing 2 approved courses about the Middle East. Approved courses available at the Center for Global and International Studies in 318 Blake.
- **Asia.** Satisfied by completing 2 approved courses about Asia. Approved courses available at the Center for Global and International Studies in 318 Blake.
- **Latin America & the Caribbean.** Satisfied by completing 2 approved courses about Latin America and the Caribbean. Approved courses available at the Center for Global and International Studies in 318 Blake.
- **Western Europe.** Satisfied by completing 2 approved courses about Western Europe. Approved courses available at the Center for Global and International Studies in 318 Blake.
- **Russia, Eastern Europe, & Central Asia.** Satisfied by completing 2 approved courses about Russia, Eastern Europe and Central Asia. Approved courses available at the Center for Global and International Studies in 318 Blake.

**GIST Substantive Specialization**

**Global & International Studies Substantive Specialization Requirement.** Students must take 2 courses in 1 of the specialization fields.

- **Comparative Political & Social Systems.** Satisfied by 2 approved courses in comparative political and social systems. Approved courses available at the Center for Global and International Studies in 318 Blake.
- **International Business and the Global Economy.** Satisfied by 2 approved courses about the global economy. Approved courses available at the Center for Global and International Studies in 318 Blake.
- **Literature, Popular Culture, and the Arts in the Global Context.** Satisfied by 3 approved courses about literature, popular culture, and/or the arts in the global context. Approved courses available at the Center for Global and International Studies in 318 Blake.
- **Culture, Ethnicity, and Belief.** Satisfied by completing three approved courses about culture, ethnicity, and belief systems. Courses available at the Center for Global and International Studies in 318 Blake.
- **Gender & Sexuality in the Global Context.** Satisfied by completing 2 approved courses about gender and sexuality in the global context. Approved courses available at the Center for Global and International Studies in 318 Blake.
Minor Hours & Minor GPA
While completing all required courses, minors must also meet each of the following hour and GPA minimum standards:

Minor Hours
Satisfied by 18 hours of minor courses.

Minor Hours in Residence
Satisfied by a minimum of 9 hours of KU resident credit in the minor.

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

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

• The Global Environment. Satisfied by 2 approved courses about the global environment. Approved courses available at the Center for Global and International Studies in 318 Blake.

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

Minor Hours
Satisfied by 18 hours of minor courses.

Minor Hours in Residence
Satisfied by a minimum of 9 hours of KU resident credit in the minor.

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

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

Pre-Approved Courses for Specializations (updated October, 2013)

Regional Expertise Requirement (choose 1+2 courses from one region)

1. Africa
   AAAS 103: Introduction to Africa
   AAAS 105/HIST 104: Introduction to African History (3)
   AAAS 160: Introduction to West African History (3)
   AAAS 300: African Traditional Religion and Thought (3)
   AAAS 305/307: Modern African History (3)
   AAAS 332: Introduction to African Literature (3)
   AAAS 334: Introduction to African Dance Theatre (2)
   AAAS 340: Women in Contemporary African Literature (3)
   AAAS 355: African Theatre and Drama (3)
   AAAS/ANTH 372: Religion, Power, and Sexuality in Arab Societies (3)
   AAAS 429/THR 429: Postcolonial Theatre and Drama (3)
   AAAS 470: Language and Society in Africa (3)
   AAAS 536 Islamic Art & Architecture in Africa (3)
   AAAS 542/REL 535: The History of Islam in Africa (3)
   AAAS 543: Language and Culture in Arabic-Speaking Communities (3)
   AAAS 554: Contemporary Health Issues in Africa (3)
   AAAS 565/WGSS 565: Gender, Culture, and Migration (3)
   AAAS 600/POLS 665: Politics in Africa (3)
   AAAS/HA 677: African Design
   ANTH 564: The Peoples of Africa (3)
   ECON 587: Economic Development of Africa (3)
   FREN 432/AAAS 432: Francophone African Literature (3)
   HA 590: Special Study in African Art (3)

2. The Middle East
   AAAS 102: Arabic and Islamic Studies (3)
AAAS 303: Peoples and Cultures of North Africa and the Middle East (3)
AAAS 349/REL 350: Islam (3)
AAAS/ANTH 372: Religion, Power, and Sexuality in Arab Societies (3)
AAAS 415: Women and Islam (3)
AAAS 433: Islamic Literature (3)
AAAS 435: Muslim Women’s Autobiography (3)
AAAS 536 Islamic Art & Architecture in Africa
AAAS 543: Language and Culture in Arabic-Speaking Communities (3)
AAAS 545: Unveiling the Veil (3)
GIST 424: Nationalism(s) in Turkey (3)
GIST 503: Topics in Middle East Studies (3)
GIST 530: Politics & Society in the Contemporary Persianate World (3)
GIST 535: Literature & Society in the Contemporary Middle East (3)
GIST 624: Social Movements in the Middle East (3)

HIST 328: The Modern Middle East (3)
HIST 480: Travelers’ Tales of the Middle East (3)
HIST 481: From Harem to the Streets: Gender in the Middle East (3)
HIST 570: The Middle East after World War II (3)

POLS 661: Politics of the Middle East (3)
POLS 667: Islam and Politics (3)
JWSH 311: Narratives of Jewish Life (3)
JWSH 327: Jewish Secular Culture (3)
REL 557: Modern Islamic Reform Movements (3)
SOC 532: Sociology of the Middle East (3)

3. Asia

ANTH 364: People of Japan and Korea
ANTH 293/EALC 130: Myth, Legend, and Folk Beliefs in East Asia (3)
ANTH 370: Peoples and Cultures of the Pacific (3)
COMS 557: East Asian Communication (3)
EALC 105/REL 106: Living Religions of the East (3)
EALC 121: Introduction to Contemporary China (3)
EALC 312: Traditional Japanese Literature in Translation (3)
EALC 315/FMS 315: Survey of Japanese Film (3)
EALC 316: Modern Japanese Literature in Translation (3)
EALC 317: Contemporary Japanese Literature in Translation: 1945-Present (3)
EALC 318: Modern Chinese Literature in Translation (2-3)
EALC 319: Contemporary Chinese Literature in Translation (3)
EALC 330: Chinese Culture (3)
EALC 362/562: Post-Colonial Korea (3)

EALC 380/580: Popular Cultures of East Asia (3)
EALC 410: The Culture of Play in Japan (3)
EALC 520/HIST 640: Entrepreneurship in East Asia (3)
EALC 541: Asian Film (3)
EALC 543/FMS 543: Contemporary Japanese Film (3)
EALC 555/REL 555: Buddhists and Buddhism in China (3)
EALC 575: Love, Sexuality and Gender in Japanese Literature (3)
EALC 584/HIST 584: Modern China (3)
EALC 585/POLS 668: Reform in Contemporary China (3)
EALC 589: Japan Since 1945 (3)

EALC 656/POLS 656: Government and Politics of East Asia (3)
EALC 678/POLS 678: Chinese Foreign Policy (3)
ECIV 304: Eastern Civilizations (3)
ECON 586: Economic Issues in China (3)
GIST 502: Advanced Topics in South Asian Studies
HA 265: Introduction to Asian Art (3)
HA 267: Art and Culture of Japan (3)
HA 268: Art and Culture of China (3)
HA 269: Art and Culture of Korea (3)
HA 588: Modern and Contemporary Visual Arts in Japan (3)
HA 589: Japanese Art Encounters with Europe & the US (3)
HIST 118: History of East Asia (3)
HIST 397: From Mao to Now: China’s Red Revolution (3)
HIST 398: Introduction to History of Japan: Anime to Zen (3)
HIST 399: The Samurai (3)
HIST 590: Cultural History of Korea (3)
HIST 603: History of Tibet (3)
HIST 604: Contemporary Greater China (3)
*IBUS 425: Business in China (3)
POLS 565: Political Change in Asia (3)
REL 360: Buddhist Tradition in Asia (3)
REL 365: Hinduism (3)
REL 404: Gods and Goddesses of South Asia (3)
REL 507: Religion in India (3)
REL 508: Religion in China (3)
REL 509: Religion in Japan (3)
REL 545: Yoga in Theory, Practice, and History (3)

4. Latin America and the Caribbean
AAAS 301: Portrait of a Third World Nation-Haiti
ANTH 379/LAA 334/634: Indigenous Traditions of Latin America (3)
ANTH 380: Peoples of South America
ANTH 562: Mexamerica (3)
FMS 316: Cinemas of the Southern Cone: Argentina, Chile, and Uruguay (3)
FMS 540: Cuban Cinema (3)
FMS 542: Latin American Film (3)
GEOG 591: Geography of Latin America (3)
HIST 120: Colonial Latin America (3)
HIST 124: Latin American Culture & Society (3)
HIST 575: History of Mexico (3)
*IBUS 415: Business in Latin America (3)
LAA 100: Latin American Culture and Society (3)
LAA 300: Interdisciplinary Themes in Latin American Studies (3)
LAA 332/333: Language and Society in Latin America (3)
LAA 334: Indigenous Traditions of Latin America (3)
LAA 450: Capstone Seminar in Latin American Studies (3)
LAA 503: Race, Gender, Ethnicity, and Nationalism in Latin America (3)

5. Western Europe
ECON 535: Economic History of Europe (3)
ECON 536: Economic Issues of the European Union
ENGL 492: The London Review (3)
ENGL 530/EURS 512: Irish Literature and Culture: _____ (3)
EURS/HWC 302: European Culture and Society 1945 to Present:
EURS 430: European Civilization in World Context: _____ (3)
EURS 435: Islam in Europe (3)
EURS 500: Seminar in European Studies (3)
EURS 503/HWC 505: Europe Today (3)
EURS 604: The European Union (3)
FREN 152: France and the French (3)
FREN 401: Paris, City of Lights & Legends (3)
FREN 405: French Literature in Translation (3)
GERM 120: German Classics in English Translation: _____ (3)
GERM 124/125: German Cinema in Context (3)
GERM 320: Border Crossings German Culture (3)
GERM 324: Magic, Monsters and the Occult in German Literature (3)
GERM 328: Germany in the Arts (3)
GERM 332: Berlin in German Culture (3)
GERM 424: German Cinema in Context (3)
HA 310: Art and Architecture of Florence and Paris (3)
HIST 112: Introduction to British History (3)
HIST 115: Europe 1789-Present (3)
HIST 321/WGSS 321: From Mystics to Feminists: Women's History in Europe 1600 to the Present (3)
HIST 527: Recent European History, 1870 to the Present (3)
HIST 548: British History, 1832-Present (3)
HIST 558/REL 558/559: Religion in Britain Since the Reformation: A Survey (3)
*IBUS 305: Business, Culture & Society: Western Europe (3)

6. Russia, Eastern Europe and Eurasia
GIST 424: Nationalism(s) in Turkey (3)
HIST 117: Russia, an Introductory History (3)
HIST 377: Everyday Communism in Eastern Europe (3)
HIST 565: Imperial Russia and the Soviet Union (3)
*IBUS 304: Business, Culture & Society: Russia & Eastern Europe (3)
POLS 654: Politics and Government of Russia and the Central Eurasian States (3)
REES 110/111: Understanding Russia and Eastern Europe (3)
REES 220/221: Societies and Cultures of Eurasia (3)
REES 480: Topics in Russian and East European Studies (3)
REES 485/685: War and Peace in Russian Culture (3)
REES 492: Research Methods in Russian, East European and Eurasian Studies (3)
REES 510: Understanding Central Asia (3)
REES 512: Siberia: Yesterday and Today (3)
REES 513: Siberia: Russia’s Eastern Frontier (3)
REES 573: Borderland Between Russia & Europe (3)
REES 574: Ethnicity and Nationalism in Eastern Europe (3)
REES 687: Biography of a City: St. Petersburg (3)
SLAV 140/141: Introduction to Russian Culture (3)
SLAV 144/145: Survey of Russian Literature in Translation (3)
SLAV 148: Introduction to Slavic Folklore (3)
SLAV 316: The Peoples and Cultures of Southeastern Europe Through Film (3)
SLAV 340: Introduction to Languages and Peoples in Russia & East-Central Europe (3)
SLAV 506: West Slavic Literature and Civilization (Polish and Czech) (3)
SLAV 508: South Slavic Literature and Civilization (3)
SLAV 510: The Russian Literary Genius (3)
SLAV 540: Language & Identity in East-Central Europe & Former Soviet Union (3)
SLAV 566: The Devil in Russian Literature (3)
SLAV 626: Cultural Impact of the Ottoman Empire on the Southern Slavs (3)
SLAV 664: Soviet Russian Literature: 1930-1990 (3)
SLAV 667: Post-Soviet Literature (3)

Substantive Specialization Requirement (choose 3 courses from one area of specialization)

1. Comparative Systems
AMS/SOC 332: The United States in Global Context
AMS 534: Comparative Racial and Ethnic Relations (same as AAAS 510 & SOC 534)
ANTH 160/162/360: The Varieties of Human Experience (3)
ANTH 543: The Anthropology of Food and Nutrition (3)
ANTH 570: Anthropology of Violence (3)
ANTH 652: Population Dynamics (3)
ANTH 674: Political Anthropology (3)
ANTH 690: Social Construction of the Self (3)
EURS 604: The European Union (3)
GEOG 377: Urban Geography (3)
GEOG 370: Introduction to Cultural Geography (3)
GIST 530: Politics & Society in the Contemporary Persianate World (3)
GIST 624: Social Movements in the Middle East (3)
HIST 303: Sin Cities (3)
HIST 308: Key Themes in Modern Global History (3)
HIST 314: Globalization: History and Theory (3)
HIST 591: Food in History: West and East (3)
HIST 636: Agriculture in World History (3)
POLS 350: Contemporary Issues in Comparative Politics (3)
POLS 370: Contemporary Issues in International Politics (3)
POLS/WGSS 562: Women and Politics (3)
POLS 563: Comparative Political Economy (3)
POLS 564: Elections and Political Parties Around the World (3)
POLS 624/EVRN 620: Environmental Politics and Policy (3)
POLS 645: Corruption, Crisis and Scandal (3)
POLS 660: Politics and Problems of Developing Countries (3)
POLS 661: Politics of the Middle East (3)
POLS 663: Protest and Revolution (3)
POLS 667: Islam and Politics (3)
POLS 672: International Political Economy (3)
POLS 679: International Conflict (3)
POLS 680: International Relations in Political Philosophy (3) S
POLS 684/GIST 684: International Law: The State and the Individual (3)
POLS 685/GIST 685: International Law: Laws of Armed Conflicts (3)
REL 667: Religious Perspectives on War and Peace (3)
REL 669: Human Conflict and Peace (3)
SOC 312: Population and Society (3)
SOC 521: Wealth, Power and Inequality (3)
SOC 326: Health, Gender and Society (3)
SOC 529: Globalization (3)

2. International Business and the Global Economy
ANTH 560: Introduction to Economic Anthropology
ANTH 583: Love, Sex, and Globalization (3)
EALC 520/HIST 640: Entrepreneurship in East Asia (3)
ECON 505: History of Economic Analysis (3)
ECON 535: Economic History of Europe (3)
ECON/EVRN 550: Environmental Economics (3)
ECON 582: Economic Development (3)
ECON 586: Economic Issues in China (3)
ECON 587: Economic Development of Africa (3)
ECON 604: International Trade (3)
ECON 605: International Finance (3)
ECON 610: Resource Economics and Environmental Policy (3)
GEOG 352: Economic Geography (3)
HIST 314: Globalization: History and Theory (3)
*IBUS 304: Business, Culture & Society: Russia & Eastern Europe (3)
*IBUS 305: Business, Culture & Society: Western Europe (3)
*IBUS 410: Introduction to International Business (3)
*IBUS 415: Business in Latin America (3)
*IBUS 425: Business in China (3)
*IBUS 462: Comparative and Cross-Cultural Management (3)
*IBUS 480: International Management (3)
*MGMT 305: Survey of Management (3)
*MGMT 434: International Human Resource Management (3)
POLS 563: Comparative Political Economy (3) S
POLS 672: International Political Economy (3)
SOC 521: Wealth, Power and Inequality (3)
SOC 524: Sociology of the Economy (3) S
SOC 529: Globalization (3)

3. Culture, Ethnicity, and Belief Systems
AAAS 102: Arabic and Islamic Studies (3)
AAAS 300: African Traditional Religion and Thought (3)
AAAS 349/REL 350: Islam (3)
AAAS/ANTH 372: Religion, Power, and Sexuality in Arab Societies (3)
AAAS 415: Women and Islam (3)
AAAS 433: Islamic Literature (3)
AAAS 542/REL 535: The History of Islam in Africa (3)
AAAS 543: Language and Culture in Arabic-Speaking Communities (3)
AAAS 545: Unveiling the Veil (3)
ANTH 293/EALC 130: Myth, Legend, and Folk Beliefs in East Asia (3)
ANTH 301: Anthropology through Films (3)
ANTH 320/321: Language in Culture and Society, Honors (3)
ANTH 160/162/360: The Varieties of Human Experience (3)
ANTH 379/LAA 634: Indigenous Traditions of Latin America (3)
ANTH 484: Magic, Science, and Religion (3)
ANTH 603: Shamanism Past and Present (3)
COMS 246: Introduction to Intercultural Communication (3)
COMS 557: East Asian Communication (3)
EALC 105/REL 106: Living Religions of the East (3)
EALC 330: Chinese Culture (3)
EALC 555/REL 555: Buddhists and Buddhism in China (3)
EURS 435: Islam in Europe (3)
GEOG 601: Indigenous Peoples of the World (3)
GIST 424: Nationalism(s) in Turkey (3)
HIST 590: Cultural History of Korea (3)
JWSH 311: Narratives of Jewish Life (3)
JWSH 327: Jewish Secular Culture (3)
JWSH 338: Languages of the Jews (3)
JWSH 560: Classic & Contemporary Jewish Thought (3)
LAA 332/333: Language and Society in Latin America (3)
LAA 503: Race, Gender, Ethnicity, and Nationalism in Latin America (3)
REL 325: Introduction to Judaism (3)
REL 341: Mysticism (3)
REL 345: Christianity (3)
REL 360: Buddhist Tradition in Asia (3)
REL 404: Gods and Goddesses of South Asia (3)
REL 406: Reading Asian Religious Classics (3)
REL 477: Gender and Religion (3)
REL 507: Religion in India (3)
REL 508: Religion in China (3)
REL 509: Religion in Japan (3)
REL 557: Modern Islamic Reform Movements (3)
REL 667: Religious Perspectives on War and Peace (3)
REL 669: Human Conflict and Peace (3)
REES 574: Ethnicity and Nationalism in Eastern Europe (3)

4. Literature, Popular Culture and the Arts in Global Context
AAAS 332: Introduction to African Literature (3)
AAAS 334: Introduction to African Dance Theatre (2)
AAAS 340: Women in Contemporary African Literature (3)
AAAS 355/THR 326: African Theater and Drama (3)
AAAS 429/THR 429: Postcolonial Theatre and Drama (3)
AAAS 432/FREN 432: Francophone African Literature (3)
AAAS 433: Islamic Literature (3)
ANTH 301: Anthropology through Films (3)
EALC 312: Traditional Japanese Literature in Translation (3)
EALC 315/FMS 315: Survey of Japanese Film (3)
EALC 317: Contemporary Japanese Literature in Translation: 1945-Present (3)
EALC 318: Modern Chinese Literature in Translation (2-3)
EALC 319: Contemporary Chinese Literature in Translation (3)
EALC 380/580: Popular Cultures of East Asia (3)
EALC 410: The Culture of Play in Japan (3)
EALC 541: Asian Film (3)
EALC 543/FMS 543: Contemporary Japanese Film (3)
EALC 575: Love, Sexuality and Gender in Japanese Literature (3)
ENGL 305: World Indigenous Literatures (3)
ENGL 492: The London Review (3)
ENGL 530/EURS 512: Irish Literature and Culture: _____ (3)
FMS 312: History of the International Sound Film to 1950 (3)
FMS 313: History of the International Sound Film Post 1950 (3)
FMS 316: Cinemas of the Southern Cone: Argentina, Chile, and Uruguay (3)
FMS 540: Cuban Cinema (3)
FMS 542: Latin American Film (3)
FMS 620: International Women Filmmakers (3)
FREN 401: Paris, City of Lights & Legends (3)
GERM 120: German Classics in English Translation: _____ (3)
GERM 124/125: German Cinema in Context (3)
GERM 324: Magic, Monsters and the Occult in German Literature (3)
GERM 328: Germany in the Arts (3)
GERM 332: Berlin in German Culture (3)
GERM 424: German Cinema in Context (3)
HA 265: Introduction to Asian Art (3)
HA 267: Art and Culture of Japan (3)
HA 268: Art and Culture of China (3)
HA 269: Art and Culture of Korea (3)
HA 310: Art and Architecture of Florence and Paris (3)
HA 503: Japanese Prints (3)
HA 587: Japanese Sculpture (3)
HA 588: Modern and Contemporary Visual Arts in Japan (3)
HA 589: Japanese Art Encounters with Europe & the US (3)
HA 590: Special Study in African Art (3)
REL 406: Reading Asian Religious Classics (3)
REES 485/685: War and Peace in Russian Culture (3)
SLAV 144/145: Survey of Russian Literature in Translation (3)
SLAV 148: Introduction to Slavic Folklore (3)
SLAV 316: The Peoples and Cultures of Southeastern Europe Through Film (3)
SLAV 506: West Slavic Literature and Civilization (Polish and Czech) (3)
SLAV 508: South Slavic Literature and Civilization (3)
SLAV 510: The Russian Literary Genius (3)
SLAV 664: Soviet Russian Literature: 1930-1990 (3)
SLAV 667: Post-Soviet Literature (3)

5. Gender and Sexuality in Global Context
   AAAS 340: Women in Contemporary African Literature (3)
   AAAS/ANTH 372: Religion, Power, and Sexuality in Arab Societies (3)
   AAAS 415: Women and Islam
   AAAS 435: Muslim Women's Autobiography (3)
   AAAS 565/WGSS 565: Gender, Culture, and Migration (3)
   ANTH 389/WGSS 389: The Anthropology of Gender: Female, Male, and Beyond (3)
   ANTH 583/WGSS 583: Love, Sex, and Globalization (3)
   EALC 575: Love, Sexuality and Gender in Japanese Literature (3)
   FMS 620: International Women Filmmakers (3)
   HIST 321/WGSS 321: From Mystics to Feminists: Women's History in Europe 1600 to the Present (3)
   HIST 649/WGSS 549: History of Feminist Theory (3)
   HWC/CLXS 374: Gender & Sexuality: Ancient and Modern (3)
   POLS/WGSS 562: Women and Politics (3)
   REL 477: Gender and Religion (3)
   SOC 326: Health, Gender and Society (3)
   SOC 450: Gender and Society (3)
   WGSS 201/202: Women's Studies: An Interdisciplinary Introduction (3)
   WGSS 333: The Politics of Physical Appearance (3)
   WGSS/POLS 600: Contemporary Feminist Political Theory (3)

6. Global Environment
   ECON/EVRN 550: Environmental Economics (3)
ECON 610: Resource Economics and Environmental Policy (3)
EVRN/GEOG 148: Scientific Principles of Environmental Studies (3)
EVRN 320: Environmental Policy Analysis (3)
EVRN/GEOG 371: Environmental Geopolitics (3)
EVRN 385: Environmental Sociology (3)
EVRN 542/ANTH 582: Ethnobotany (3)
EVRN/HIST 140: Global Environment I: The Discovery of Environmental Change (3)
EVRN/HIST 142: Global Environment II: Ecology of Human Civilization (3)
GEOG 370: Introduction to Cultural Geography
POLS 624/EVRN 620: Environmental Politics and Policy (3)

JUSTIFICATION

Many of the changes are cosmetic, and the technical information regarding where to declare and get forms, etc., is simply an update. There are a few significant changes that need further justification:

1). We’ve added the paragraph about “prerequisites” as it is a relevant and regular concern for students, and we wanted to have our general policy in writing in the official catalog.

2). We wanted to add/require two courses that would help build skill (GIST 610) and provide an intellectual framework (GIST 301) to our interdisciplinary program. We have had students write a senior thesis for several years now, but we haven’t provided any structure or help to them as they do their research for this final paper project. We would now like to require that students take this methods course before they write their senior thesis. We also have needed to provide a course that would give students grounding in the global and interdisciplinary field that they are majoring in. GIST 301 will be a required course that will provide an overview of current international and global issues and offer an introduction to how various disciplines approach global issues and questions.

As a consequence of adding these two new requirements, we had to alter our approach to the core/admissions courses if we wanted to keep our major hours at 33. We had to take one of those courses away to allow for the methods course at the end of the major, and we’ve made GIST 301 a required course that must be fulfilled for admission into the major. Thus, students will take one course from a list of electives and GIST 301 to fulfill the prerequisites to declare (along with the language proficiency requirement).

3). Finally, we’ve made the additional language course requirement a bit more flexible. Now students can choose to go further in the language in which they attained 4th semester proficiency (as before) or they can start a new language at the first year level.

The purpose of providing this option is to create an incentive for students to go further than one semester in the additional language, a possibility that has been strengthened by the new KU Core. Furthermore, language tools (high level advancement in one language or functional level in more than one) are critically important to the job prospects for our majors. Many of our students come in with the required proficiency in a 2nd language already, and this gives them an incentive to invest in a strategic 3rd language of their choice.

4). The minor has been changed to logically reflect the changes in the major. Also, the new requirement for the minors of GIST 301 will ensure that those students will have taken at least one course provided directly by and for Global & International Studies.