Course Change Request

Date Submitted: 10/26/17 2:24 pm

Viewing: **CHEM 190 : Foundations of Chemistry I, Honors**

Last edit: 10/26/17 2:24 pm
Changes proposed by: drb

Catalog Pages referencing this course:
- BS in Chemistry
- BS in Chemistry with concentration in Biological Chemistry
- BS in Chemistry with concentration in Chemical Physics
- Biology Undergraduate Program
- College of Liberal Arts & Sciences

Academic Career: Undergraduate, Lawrence
Subject Code: CHEM  Course Number: 190
Academic Unit: Department Chemistry  School/College: College of Lib Arts & Sciences

Do you intend to offer any portion of this course online?
- No

Title: Foundations of Chemistry I, Honors
Transcript Title: Foundations of Chemistry I Hnr
Effective Term: Fall 2018

Catalog Description:
CHEM 190, together with co-requisite laboratory course CHEM 191, This integrated lecture and laboratory course, which is designed for qualified and motivated students having a strong interest in chemistry, provides an integrated more thorough treatment of theoretical and experimental aspects of chemistry for qualified and highly motivated students. The concepts and topics covered in CHEM 130 and CHEM 170. It is anticipated that students in CHEM 190 and CHEM 191 plan to take more than one year of chemistry at the college level. Students with credit in CHEM 110 will have two hours added on to their total number of hours required for graduation.

Prerequisites:
- Prerequisite: high-school chemistry and calculus; at least one of the following: (a) acceptance into the KU Honors Program, (b) an AP exam score in chemistry of 3 or higher, (c) a mathematics ACT score of 30 or higher; or permission of instructor.
- Co-requisite: CHEM 191.

Cross Listed Courses:

Credits: 3
Course Type: Lecture (Regularly scheduled academic course) (LEC)
Associated Components (Optional):
- Discussion optional – Voluntary Mandatory: discussion associated with a main component
- Discussion optional – Voluntary discussion associated with a main component
- Laboratory – Associated with a main component
Grading Basis: A-D(+/)FI (G11)

Is this course part of the University Honors Program? Yes
Are you proposing this course for KU Core? Yes
Typically Offered: Only Fall Semester
Repeatable for credit? No

Principal Course Designator: NP - Physical Sciences
Course Designator: N - Natural Sciences

Are you proposing that the course count towards the CLAS BA degree specific requirements? No
Will this course be required for a degree, major, minor, certificate, or concentration?
Yes

Which Program(s)?

<table>
<thead>
<tr>
<th>Program Code - Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>(CHEM-BA) Chemistry, B.A.</td>
</tr>
<tr>
<td>(CHEM-BS) Chemistry, B.S.</td>
</tr>
<tr>
<td>(CHEM-MIN) Chemistry, Minor</td>
</tr>
</tbody>
</table>

Describe how: The current sequence CHEM 190 +195 is one of three General Chemistry options for Chemistry majors (BS and BA), Chemistry minors, and students in a number of other majors at KU

Rationale for Course Proposal
The University Honors Program has expressed strong interest in increasing the number of STEM Honors courses for students in the UHP. To help achieve that goal, the Chemistry Department is proposing to split CHEM 190 into separate lecture and laboratory components (and to do the same with CHEM 195, the second course in the two-semester Honors general chemistry sequence).

Supporting Documents

- Addendum to CHEM 190 and 195 proposals.pdf
- CHEM 190 Syllabus.pdf

KU Core Information

Has the department approved the nomination of this course to KU Core?
Yes

Name of person giving departmental approval: Brian Laird
Date of Departmental Approval: 10/12/17

Selected Goal(s)

Do all instructors of this course agree to include content that enables students to meet KU Core learning outcome(s)?
Yes

Do all instructors of this course agree to develop and save direct evidence that students have met the learning outcomes(s)?
Yes

Provide an abstract (1000 characters maximum) that summarizes how this course meets the learning outcome.

CHEM 190 satisfies KU Core Goals 1.2 and 3N in its current form, and we would like for that to continue. There will be no practical change in course content associated with this proposal, as the laboratory component that is being separated out (proposed course CHEM 191) will be a co-requisite.

Selected Learning Outcome(s):

Goal 1, Learning Outcome 2
State how your course uses discussion and course assignments to teach students to solve problems using mathematical functions and numerical techniques. (Please limit responses to 1000 characters.)
N/A

State what aspects of your course or educational experience require students to apply mathematical or statistical principles to organize or process numerical information. (Please limit responses to 1000 characters.) *
N/A

State how your course or educational experience will use assignments, readings, class discussion, and lecture to require students to use specific quantitative methods to solve problems and to choose appropriate methods for given problems. (Please limit responses to 1000 characters.) *
N/A
Goal 3 - Natural Sciences
State how your course or educational experience will use assignments, readings, projects, or lectures to move students from their current knowledge to a deeper understanding of specific concepts fundamental to the area(s) in question. (Please limit responses to 1000 characters.)
N/A

State what course assignments, readings, class discussions, and lectures will synthesize the development over time of the principles, theories, and analytical methods of the discipline(s). (Please limit responses to 1000 characters.)
N/A

State what learning activities will integrate the analysis of contemporary issues with principles, theories, and analytical methods appropriate to the area in question. (Please limit responses to 1000 characters.)
N/A

State what course assignments, projects, quizzes, examinations, etc. will be used to evaluate whether students have a functional understanding of the development of these concepts, and can demonstrate their capability to analyze contemporary issues using the principles, theories, and analytical methods in the academic area. (Please limit responses to 1000 characters.)
N/A
### Course Change Request

**Viewing: CHEM 195: Foundations of Chemistry II, Honors**

**Date Submitted:** 10/26/17 2:25 pm  
**Last approved:** 03/16/16 4:31 am  
**Last edit:** 11/17/17 1:39 pm  
**Changes proposed by:** drb

<table>
<thead>
<tr>
<th>Catalog Pages referencing this course</th>
</tr>
</thead>
<tbody>
<tr>
<td>BS in Chemistry</td>
</tr>
<tr>
<td>BS in Chemistry with concentration in Biological Chemistry</td>
</tr>
<tr>
<td>BS in Chemistry with concentration in Chemical Physics</td>
</tr>
<tr>
<td>Biology Undergraduate Program</td>
</tr>
<tr>
<td>College of Liberal Arts &amp; Sciences</td>
</tr>
</tbody>
</table>

**Academic Career**

Undergraduate, Lawrence

**Subject Code**

CHEM

**Course Number**

195

**Academic Unit**

Department: Chemistry  
School/College: College of Lib Arts & Sciences

**Do you intend to offer any portion of this course online?**

No

**Title**

Foundations of Chemistry II, Honors

**Transcript Title**

Foundations of Chemistry II Hn

**Effective Term**

Fall 2018

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**Catalog Description**

CHEM 195 A course designed for qualified and co-requisite laboratory course CHEM 196 continue motivated students with strong interest in chemistry to provide a more thorough treatment of integrated theoretical concepts and experimental exploration of chemistry topics for qualified and highly motivated students. Recommended for students in the University Honors Program.

**Prerequisites**

CHEM 130, CHEM 170, or CHEM 190 & CHEM 191 with a grade of C- or better, and permission of the instructor.

**Co-requisite:** CHEM 196.

**Courses:**

CHEM 130, CHEM 170, or CHEM 190 & CHEM 191

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**Credits**

3

**Course Type**

Lecture (Regularly scheduled academic course) (LEC)

**Associated Components (Optional)**

Discussion optional – Voluntary Mandatory discussion associated with a main component

**Grading Basis**

A-D(+/-)FI (G11)

**Is this course part of the University Honors Program?**

Yes

**Typically Offered**

Only Spring Semester

**Repeatable for credit?**

No

**Principal Course Designator**

NP - Physical Sciences

**Course Designator**

N - Natural Sciences

**Are you proposing that the course count towards the CLAS BA degree specific requirements?**

No

**Will this course be required for a degree, major, minor, certificate, or concentration?**

Yes No

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**In Workflow**

1. CLAS Undergraduate Program and Course Coordinator  
2. CUSA Subcommittee  
3. CUSA Committee  
4. CAC  
5. CLAS Final Approval  
6. Registrar  
7. PeopleSoft  
8. UCCC CIM Support  
9. UCCC Preliminary Vote  
10. UCCC Voting Outcome  
11. SIS KU Core Contact  
12. Registrar  
13. PeopleSoft

**Approval Path**

1. 11/28/17 3:19 pm  
   Rachel Schwien (rschwien): Approved for CLAS Undergraduate Program and Course Coordinator

**History**

1. Mar 8, 2016 by David Benson (drb)  
2. Mar 16, 2016 by j775k831
Which Program(s)?

<table>
<thead>
<tr>
<th>Program Code</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>(CHEM-BA)</td>
<td>Chemistry, B.A.</td>
</tr>
<tr>
<td>(CHEM-BS)</td>
<td>Chemistry, B.S.</td>
</tr>
<tr>
<td>(CHEM-MIN)</td>
<td>Chemistry, Minor</td>
</tr>
</tbody>
</table>

Describe how:

The current sequence CHEM 190 +195 is one of three General Chemistry options for Chemistry majors (BS and BA), Chemistry minors, and students in a number of other majors at KU.

Rationale for Course Proposal

The University Honors Program has expressed strong interest in increasing the number of STEM Honors courses for students in the UHP. To assist with that goal, the Chemistry Department is proposing to split CHEM 195 into separate lecture and laboratory components (and to do the same with CHEM 190, the first course in the two-semester Honors general chemistry sequence).

Supporting Documents

- Addendum to CHEM 190 and 195 proposals.pdf
- CHEM 195 Syllabus.pdf

KU Core Information

Has the department approved the nomination of this course to KU Core?

Yes

Name of person giving departmental approval: Brian Laird

Date of Departmental Approval: 10/12/17

Selected Goal(s)

Do all instructors of this course agree to include content that enables students to meet KU Core learning outcome(s)?

Yes

Do all instructors of this course agree to develop and save direct evidence that students have met the learning outcomes(s)?

Yes

Provide an abstract (1000 characters maximum) that summarizes how this course meets the learning outcome.

CHEM 195 satisfies KU Core Goal 3N in its current form, and we would like for that to continue. There will be no practical change in course content associated with this proposal, as the laboratory component that is being separated out (proposed course CHEM 196) will be a co-requisite.

Selected Learning Outcome(s):

Goal 3 - Natural Sciences

State how your course or educational experience will use assignments, readings, projects, or lectures to move students from their current knowledge to a deeper understanding of specific concepts fundamental to the area(s) in question. (Please limit responses to 1000 characters.)

N/A

State what course assignments, readings, class discussions, and lectures will synthesize the development over time of the principles, theories, and analytical methods of the discipline(s). (Please limit responses to 1000 characters.)

N/A

State what learning activities will integrate the analysis of contemporary issues with principles, theories, and analytical methods appropriate to the area in question. (Please limit responses to 1000 characters.)

N/A

State what course assignments, projects, quizzes, examinations, etc. will be used to evaluate whether students have a functional understanding of the development of these concepts, and can demonstrate their capability to analyze contemporary issues using the principles, theories, and analytical methods in the academic area. (Please limit responses to 1000 characters.)

N/A
KU Core
Documents

Course Reviewer Comments
Rachel Schwien (rschwien) (10/19/17 8:20 am): Rollback: per request
Rachel Schwien (rschwien) (11/07/17 10:32 am): Holding for associated changes from other departments
Course Change Request

Date Submitted: 11/28/17 8:31 am

Viewing: EVRN 538: Soil Chemistry
Also listed as: GEOG 538

Last approved: 01/27/16 4:30 am
Last edit: 11/28/17 8:31 am
Changes proposed by: koerner

This course examines the chemical properties and processes of soils and methods of evaluation. Topics include solid and solution speciation, mineral solubility, soil colloidal behavior, ion exchange, surface complexation, soil salinity and sodicity, soil acidity, oxidation-reduction reactions, and kinetics of soil chemical processes.

GEOG 335 or GEOG 535 or EVRN 335 or EVRN 535, CHEM 135 or CHEM 195 and CHEM 196, MATH 125, or consent of the instructor.

Credits: 3
Course Type: Lecture (Regularly scheduled academic course) (LEC)
Associated Components (Optional): Laboratory - Associated with a main component
Grading Basis: A-D(+/-)FI (G11)

In Workflow
1. CLAS
   Undergraduate Program and Course Coordinator
2. CUSA
   Subcommittee
3. CUSA Committee
4. CAC
5. CLAS Final Approval
6. Registrar
7. PeopleSoft

Approval Path
1. 11/28/17 9:02 am Rachel Schwien (rschwien):
   Approved for CLAS Undergraduate Program and Course Coordinator

History
1. Jan 27, 2016 by Karen Ledom (kjh)

Are you proposing that the course count towards the CLAS BA degree specific requirements?
No

https://next.catalog.ku.edu/courseleaf/approve/
Will this course be required for a degree, major, minor, certificate, or concentration?

No

Rationale for Course Proposal

CHEM 195 has been changed to CHEM 195 (lecture) and CHEM 196 (lab).

Course Reviewer Comments
Course Change Request

Date Submitted: 11/28/17 8:27 am

Viewing: GEOG 335 : Introduction to Soil Geography

Also listed as: EVRN 335

Last edit: 11/28/17 8:27 am

Changes proposed by: koerner

Catalog Pages referencing this course

EVRN 335:
College of Liberal Arts & Sciences
Environmental Studies Program
Geography and Atmospheric Science
GEOG 335:

Academic Career Undergraduate, Lawrence
Subject Code GEOG Course Number 335
Academic Unit Department Geography
School/College College of Lib Arts & Sciences

Do you intend to offer any portion of this course online?
No

Title Introduction to Soil Geography
Transcript Title Introduction to Soil Geography
Effective Term Spring 2018

Catalog Description
This course focuses on the properties and processes of soils as they occur in their environment. The student is introduced to the nature of soil as it functions as a body; genesis of soils; properties of soil solids, especially colloids; soil chemical composition, properties, and reactions; interaction between solid, liquid, and gaseous components in soils; plant-soil-water relationships; biological interactions with soil; classification of soils; and the distribution of soils on the landscape. Not open to students who have taken EVRN 535 or GEOG 535.

Prerequisites
GEOG 104 or GEOL 101 or consent of instructor; BIOL 100 and CHEM 130 or CHEM 190 and CHEM 191 recommended.

Cross Listed Courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVRN 335</td>
<td>Introduction to Soil Geography</td>
</tr>
</tbody>
</table>

Credits 4
Course Type Lecture (Regularly scheduled academic course) (LEC)

Grading Basis A-D(+/-)FI (G11)

Is this course part of the University Honors Program?
No

Are you proposing this course for KU Core?
No

Typically Offered Once a Year, Usually Fall

Repeatable for credit?
No

Principal Course Designator

Course Designator N - Natural Sciences

Are you proposing that the course count towards the CLAS BA degree specific requirements?
No

Will this course be required for a degree, major, minor, certificate, or concentration?
<table>
<thead>
<tr>
<th>Rationale for Course Proposal</th>
<th>CHEM 190 has been changed to CHEM 190 (lecture) and CHEM 191 (lab).</th>
</tr>
</thead>
</table>

Course Reviewer Comments
Course Change Request

Date Submitted: 11/28/17 8:29 am

Viewing: **GEOG 535: Soil Geography**
Also listed as: EVRN 535

Last edit: 11/28/17 8:29 am
Changes proposed by: koerner

**Catalog Pages referencing this course**
- EVRN 535: College of Liberal Arts & Sciences
- Environmental Studies Program
- Geography and Atmospheric Science
- GEOG 535:

**Academic Career**
Undergraduate, Lawrence

**Subject Code**
GEOG

**Course Number**
535

**Academic Unit**
Department: Geography
School/College: College of Lib Arts & Sciences

**Do you intend to offer any portion of this course online?**
No

**Title**
Soil Geography

**Transcript Title**
Soil Geography

**Effective Term**
Spring 2018

**Catalog Description**
A broad study of the principles and properties of soils and their distribution on the landscape. Topics covered include: pedology, clay mineralogy, soil physics, soil chemistry, management of soils, soil biology, taxonomy, and soil geomorphology. Laboratory section and a field project are required. Not open to students who have taken GEOG 335 or EVRN 335.

**Prerequisites**
GEOG 104 or GEOL 101 or consent of the instructor; BIOL 104 and CHEM 130 or CHEM 190 and CHEM 191 recommended.

**Cross Listed Courses:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVRN 535</td>
<td>Soil Geography</td>
</tr>
</tbody>
</table>

**Credits**
4

**Course Type**
Lecture (Regularly scheduled academic course) (LEC)

**Associated Components (Optional)**
Laboratory - Associated with a main component

**Grading Basis**
A-D(+/-)FI (G11)

**Is this course part of the University Honors Program?**
No

**Are you proposing this course for KU Core?**
No

**Typically Offered**
Once a Year, Usually Fall

**Repeatable for credit?**
No

**Principal Course Designator**
N - Natural Sciences

**Are you proposing that the course count towards the CLAS BA degree specific requirements?**
No

**Will this course be required for a degree, major, minor, certificate, or concentration?**
No
<table>
<thead>
<tr>
<th>Rationale for Course Proposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 190 has been changed to CHEM 190 (lecture) and CHEM 191 (lab).</td>
</tr>
</tbody>
</table>

Course Reviewer Comments
Course Change Request

Date Submitted: 11/21/17 9:52 am

Viewing: PHSX 313 : General Physics III

Last approved: 02/17/16 4:30 am
Last edit: 11/27/17 9:52 am
Changes proposed by: shark

Catalog Pages referencing this course

- BA in Physics with concentration in Computational Physics
- BS in Geology with concentration in Geophysics
- BS in Physics with concentration in Interdisciplinary Physics
- BS in Physics with concentration in Pre-Professional Physics
- Bachelor of Arts in Physics

Academic Career: Undergraduate, Lawrence
Subject Code: PHSX
Course Number: 313
Academic Unit: Department of Physics & Astronomy
School/College: College of Lib Arts & Sciences

Do you intend to offer any portion of this course online?
No

Title: General Physics III
Transcript Title: General Physics III
Effective Term: Fall 2016

Catalog Description:
Introduction to modern physics. Topics include special relativity, optics, and introductions to quantum mechanics and solid state physics.

Prerequisites:
PHSX 212 and PHSX 236, or PHSX 214, or PHSX 202, or EECS 220 or EECS 221. Corequisite: MATH 320 or MATH 220.

Cross Listed Courses:
PHSX 221, MATH 220

Credits: 3
Course Type: Lecture (Regularly scheduled academic course) (LEC)
Grading Basis: A-D(+/-)FI (G11)

Is this course part of the University Honors Program?
No

Are you proposing this course for KU Core?
Yes

Typically Offered: Twice a Year, Fall and Spring

Repeatable for credit?
No

Principal Course Designator
Course Designator: N - Natural Sciences

Are you proposing that the course count towards the CLAS BA degree specific requirements?
No

Will this course be required for a degree, major, minor, certificate, or concentration?
Yes

Which Program(s)?

<table>
<thead>
<tr>
<th>Program Code - Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHSX-BA</td>
</tr>
<tr>
<td>PHSX-BS</td>
</tr>
<tr>
<td>Rationale for Course Proposal</td>
</tr>
<tr>
<td>-----------------------------</td>
</tr>
<tr>
<td>We want to include the honors version of differential equations as an acceptable pre-requisite.</td>
</tr>
</tbody>
</table>

### KU Core Information

Has the department approved the nomination of this course to KU Core?

Yes

<table>
<thead>
<tr>
<th>Name of person giving departmental approval</th>
<th>Already Approved</th>
<th>Date of Departmental Approval</th>
<th>Already approved</th>
</tr>
</thead>
</table>

Selected Goal(s)

| Do all instructors of this course agree to include content that enables students to meet KU Core learning outcome(s)? |
| Yes |

| Do all instructors of this course agree to develop and save direct evidence that students have met the learning outcomes(s)? |
| Yes |

Provide an abstract (1000 characters maximum) that summarizes how this course meets the learning outcome.

Already approved for KU Core goal 3N

Selected Learning Outcome(s):

Goal 3 - Natural Sciences

State how your course or educational experience will use assignments, readings, projects, or lectures to move students from their current knowledge to a deeper understanding of specific concepts fundamental to the area(s) in question. (Please limit responses to 1000 characters.)

Already approved for KU Core goal 3N

State what course assignments, readings, class discussions, and lectures will synthesize the development over time of the principles, theories, and analytical methods of the discipline(s). (Please limit responses to 1000 characters.)

Already approved for KU Core goal 3N

State what learning activities will integrate the analysis of contemporary issues with principles, theories, and analytical methods appropriate to the area in question. (Please limit responses to 1000 characters.)

Already approved for KU Core goal 3N

State what course assignments, projects, quizzes, examinations, etc. will be used to evaluate whether students have a functional understanding of the development of these concepts, and can demonstrate their capability to analyze contemporary issues using the principles, theories, and analytical methods in the academic area. (Please limit responses to 1000 characters.)

Already approved for KU Core goal 3N

KU Core Documents

PHSX 313.docx
# Course Change Request

A deleted record cannot be edited

## Course Deactivation Proposal

**Course:** HIST 470: Popular Culture in Latin America and Africa

**Last Term Offered:** Fall 2017

**Catalog Description:** This course offers a comparative assessment of the origins and practice of various forms of popular culture in the 20th Century in these two regions. Theories that explain the links between modernism and popular culture are discussed. Topics investigated may include the impact of spectacle on the urban environment, the legacies of colonialism in the sphere of culture, and the intersection of public space and popular culture. Forms such as music, cinema, street theater, and sports are explored.

**Prerequisites:** None

**Cross Listed Courses:**

<table>
<thead>
<tr>
<th>Credits</th>
<th>Course Type</th>
<th>Grading Basis</th>
<th>Typically Offered</th>
<th>Repeatable for credit?</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Lecture (Regularly scheduled academic course) (LEC)</td>
<td>A-D(+/-)FI (G11)</td>
<td>Not Typically Offered</td>
<td>No</td>
</tr>
</tbody>
</table>

**Principal Course Designator:** NW - Non-Western Culture

**Course Designator:** H - Humanities

**Rationale for Course Proposal**

This course was last offered in fall 2005. This course has not been offered in several semesters and there is no interest from our current instructional faculty to teach this course. Removing this course will help update our catalog to reflect our current offerings and will allow us to reuse these numbers for new course proposals.

**Approval Path**

1. CLAS Undergraduate Program and Course Coordinator
2. CUSA Subcommittee
3. CUSA Committee
4. CAC
5. CLAS Final Approval
6. Registrar
7. PeopleSoft
Course Reviewer

Comments

Rachel Schwien (rschwien) (11/07/17 8:27 am): Holding for program changes in other depts
This course will deal with the last fifty years of South African history during which apartheid came to be formulated, supported, and perpetuated, and the forces that were responsible for its disintegration by 1990. Reference will also be made to the transformation process since April 1994.

<table>
<thead>
<tr>
<th>Preceding Courses:</th>
<th>None</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross Listed Courses:</td>
<td></td>
</tr>
<tr>
<td>Code</td>
<td>Title</td>
</tr>
<tr>
<td>AAS 590</td>
<td>The Rise and Fall of Apartheid</td>
</tr>
<tr>
<td>Credits</td>
<td>3</td>
</tr>
<tr>
<td>Course Type</td>
<td>Lecture (Regularly scheduled academic course) (LEC)</td>
</tr>
<tr>
<td>Grading Basis</td>
<td>A-D(+/-)FI (G11)</td>
</tr>
<tr>
<td>Is this course part of the University Honors Program?</td>
<td>No</td>
</tr>
<tr>
<td>Are you proposing this course for KU Core?</td>
<td>No</td>
</tr>
<tr>
<td>Typically Offered</td>
<td>Not Typically Offered</td>
</tr>
<tr>
<td>Please explain</td>
<td></td>
</tr>
<tr>
<td>Repeatable for credit?</td>
<td>No</td>
</tr>
<tr>
<td>Principal Course Designator</td>
<td>H - Humanities</td>
</tr>
</tbody>
</table>

Are you proposing that the course count towards the CLAS BA degree specific requirements?

Will this course be required for a degree, major, minor, certificate, or concentration?
<table>
<thead>
<tr>
<th>Rationale for Course Proposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Justification for this request</td>
</tr>
<tr>
<td>This course was last offered in Spring 2009. This course has not been offered in several semesters and there is no interest from our current instructional faculty to teach this course. Removing this course will help update our catalog to reflect our current offerings and will allow us to reuse these numbers for new course proposals. Since the course was cross-listed with AAAS we contacted them before submitting this deletion. They agreed to delete the course.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Reviewer Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rachel Schwien (rschwien) (11/01/17 10:50 am): AAAS (R. Lytle) approves of deactivation</td>
</tr>
<tr>
<td>Rachel Schwien (rschwien) (11/07/17 8:28 am): holding for program changes</td>
</tr>
<tr>
<td>Rachel Schwien (rschwien) (11/14/17 10:45 am): followed up with dept 11/14</td>
</tr>
</tbody>
</table>
Course Change Request

Date Submitted: 11/27/17 3:06 pm

Viewing: SCUL 330 : Sculpture Intercepting the Waste Stream

Also listed as: EVRN 330

Last approved: 02/04/17 4:31 am

Last edit: 11/27/17 3:06 pm

Changes proposed by: rschwien

Academic Career: Undergraduate, Lawrence
Subject Code: SCUL  Course Number: 330
Academic Unit: Department: Visual Art  School/College: School of the Arts, CLAS

Do you intend to offer any portion of this course online?  
No

Title: Sculpture Intercepting the Waste Stream
Transcript Title: Sculptr Intrcptng&Waste Stream
Effective Term: Spring 2017

Catalog Description: An introductory course using engaged learning to exploring the genre of ecological art practice (eco-art.) Class focuses on the waste stream particularly as it affects the Kansas River. Through remediation events, students build works of art from trash, in turn auctioned for environmental efforts. Creative attention is focused on ecological imbalance.

Prerequisites: Visual Art major or minor, or instructor permission.

Cross Listed Courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVRN 330</td>
<td>Sculpture Intercepting the Waste Stream</td>
</tr>
</tbody>
</table>

Credits: 3
Course Type: Laboratory Main (Laboratory that is a main component) (LAB)
Grading Basis: A-D(+/-)FI (G11)

Is this course part of the University Honors Program?  No
Are you proposing this course for KU Core? No
Typically Offered: Once a Year, Usually Fall
Repeatable for credit? Yes

How many times may this course be taken: 99  - AND/OR -  For how many maximum credits: 999
Can a student be enrolled in multiple sections in the same semester?  Yes

Principal Course Designator: N - Natural Sciences

Are you proposing that the course count towards the CLAS BA degree specific requirements? No

Will this course be required for a degree, major, minor, certificate, or concentration? No

Rationale for Course Proposal: Engage students in environmental issues from a creative based curriculum
Course Change Request

Date Submitted: 11/27/17 3:08 pm

Viewing: **SCUL 362 : Art and Ecology: Inhabiting the Ecosphere**

_Last approved: 02/04/17 4:31 am_
_Last edit: 11/27/17 3:08 pm_

Changes proposed by: rschwien

<table>
<thead>
<tr>
<th>Academic Career</th>
<th>Undergraduate, Lawrence</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subject Code</td>
<td>SCUL</td>
</tr>
<tr>
<td>Course Number</td>
<td>362</td>
</tr>
<tr>
<td>Academic Unit</td>
<td>Department Visual Art</td>
</tr>
<tr>
<td>School/College</td>
<td>School of the Arts, CLAS</td>
</tr>
</tbody>
</table>

_Do you intend to offer any portion of this course online?_  
No

<table>
<thead>
<tr>
<th>Title</th>
<th>Art and Ecology: Inhabiting the Ecosphere</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transcript Title</td>
<td>Art and Ecology: Ecosphere</td>
</tr>
<tr>
<td>Effective Term</td>
<td>Spring 2017</td>
</tr>
</tbody>
</table>

Catalog Description  
An introductory course exploring the genre of ecological art practice (eco-art) through a series of engaged learning projects that focus on habitat, the waste stream and natural resources, local ecologies and interventionist creative strategies that focus attention on ecological imbalance.

Prerequisites  
Visual Art major or minor, or instructor permission.

Cross Listed Courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVRN 362</td>
<td>Art and Ecology: Inhabiting the Ecosphere</td>
</tr>
</tbody>
</table>

Credits  
3

Course Type  
Laboratory Main (Laboratory that is a main component) (LAB)

Grading Basis  
A-D(+/-)FI (G11)

Is this course part of the University Honors Program?  
No

Are you proposing this course for KU Core?  
No

Typically Offered  
Once a Year, Usually Spring

Repeatable for credit?  
Yes

<table>
<thead>
<tr>
<th>How many times may this course be taken</th>
<th>99</th>
</tr>
</thead>
<tbody>
<tr>
<td>For how many maximum credits</td>
<td>999</td>
</tr>
</tbody>
</table>

Can a student be enrolled in multiple sections in the same semester?  
Yes

Principal Course Designator  
N - Natural Sciences

Are you proposing that the course count towards the CLAS BA degree specific requirements?  
No

Will this course be required for a degree, major, minor, certificate, or concentration?  
No

Rationale for Course Proposal  
Engaging students in environmental topics through creative practice and placing emphasis on sensory engagement, storytelling (narrative), fabrication strategies in order to elicit a range of intelligences (emotional, spatial, visual, movement based) in addition to
strategies rooted in analytical modalities.

<table>
<thead>
<tr>
<th>Supporting Documents</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVRN 362  _ Art and Ecology _ Inhabiting the Ecosphere.pdf</td>
</tr>
</tbody>
</table>

Course Reviewer
Comments
Program Change Request

Date Submitted: 11/16/17 11:29 am

Viewing: PHSX-BA : Astronomy, B.A.

Last approved: 01/31/17 10:28 am

Last edit: 11/16/17 11:29 am

Changes proposed by: shark

Program Description

Degree Requirements
Additional astronomy, astrophysics, or physics courses required for major (5)

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

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

Major Hours
Satisfied by 25.5 hours of major courses.

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

Major Junior/Senior (300+) Hours
Satisfied by a minimum of 16 hours from junior/senior courses (300+) in the major.

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

Rationale for proposal
Updating chemistry requirements because of changes to chemistry courses.

Additional Information

Supporting Documents

Program Reviewer Comments
Rachel Schwien (rschwien) (11/17/17 4:17 pm): holding for chemistry changes
Rachel Schwien (rschwien) (11/17/17 4:17 pm): holding for chemistry changes
# Program Change Request

**Date Submitted:** 11/16/17 11:36 am  
**Viewing:** **PHSX-BS : Astronomy, B.S.**

**Last approved:** 01/31/17 10:29 am  
**Last edit:** 11/16/17 11:36 am  
Changes proposed by: shark

<table>
<thead>
<tr>
<th>Catalog Pages Using this Program</th>
<th>Bachelor of Science in Astronomy</th>
</tr>
</thead>
</table>

**Academic Career**  Undergraduate, Lawrence  
**Program Type**  Degree/Major  
**Department/Program**  Physics & Astronomy  
**School/College**  College of Lib Arts & Sciences  
**Degree Code**  Bachelor of Science - BS

**Consulting School(s)/College(s)**
**Consulting Department(s)**
**CIP Code**  400201  
**Program Name**  Astronomy, B.S.

**Do you intend to offer a track(s)?**

**Do you intend for this program to be offered online?**  
No

**Effective Catalog**  
**2018-2019**  **2017-2018**

---

### Program Description

**Degree Requirements**
Advising

Students considering a major in astronomy should confer early with a departmental representative about the selection of courses. The B.A. degree is appropriate for students who want a general education in astronomy as part of a broadly structured liberal education. The B.S. is a more specialized program with a substantial emphasis on physics content as well as astronomy. It provides preparation for a professional career or graduate work in astronomy, astrophysics, or related fields. A total of 120 credit hours is required for graduation.

First- and Second-Year Preparation

All major programs in physics and astronomy share requirements in basic physics and mathematics including PHSX 150, a seminar course for majors. Completion of MATH 125 and MATH 126 in the first year allows students to start calculus-based physics foundation courses (PHSX 211 and PHSX 216 or PHSX 213, followed by PHSX 212 and PHSX 236 or PHSX 214) by the second semester. Majors are encouraged to take PHSX 213 and PHSX 214, the honors versions of PHSX 211/PHSX 216 and PHSX 212/PHSX 236. Students should take these courses and ASTR 391 in their first two years. B.S. astronomy majors normally complete additional course work in mathematics (MATH 127, MATH 290, and MATH 320), as well as PHSX 313 and PHSX 316, in the second year.

Requirements for the B.S. Degree in Astronomy

All students pursuing the Bachelor of Science in Astronomy must complete the KU Core requirements in addition to the degree and major requirements. For details regarding the KU Core requirements, please see the KU Core section of the catalog.

```
General science requirements (43.5-44.5)
```

Rationale for proposal

Updated honors course changes in EECS and CHEM.

Additional Information

Supporting Documents

Program Reviewer Comments

Rachel Schwien (rschwien) (11/17/17 4:17 pm): holding for chemistry changes
Program Change Request

Date Submitted: 11/27/17 11:01 am

Viewing: GEOG-BS : Atmospheric Science, B.S.

Last approved: 05/22/17 9:27 am
Last edit: 11/27/17 11:00 am
Changes proposed by: koerner

Catalog Pages Using this Program

Bachelor of Science in Atmospheric Science

Academic Career Undergraduate, Lawrence
Program Type Degree/Major
Department/Program Geography
School/College College of Lib Arts & Sciences
Degree Code Bachelor of Science - BS
Consulting School(s)/College(s)
Consulting Department(s)
CIP Code 400401
Program Name Atmospheric Science, B.S.
Do you intend to offer a track(s)?
No
Do you intend for this program to be offered online?
No
Effective Catalog 2018-2019

Program Description

Degree
Requirements
Hydrometeorology Option
This option may lead to a career as a meteorologist in one of the many water-related activities in private and governmental agencies.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CE 477</td>
<td>Introduction to Environmental Engineering and Science</td>
<td>3</td>
</tr>
</tbody>
</table>

Air Pollution Meteorology. Satisfied by:
- **ATMO 525** Air Pollution Meteorology 3
- Operational Forecasting. Satisfied by:
- **ATMO 605** Operational Forecasting 2
- Statics and Dynamics. Satisfied by:
- **CE 301** Statics and Dynamics 5
- Fluid Mechanics. Satisfied by:
- **CE 330** Fluid Mechanics 3
- Hydrology. Satisfied by:
- **CE 455** Hydrology 3

News Media Forecasting Option
This option can lead to a career forecasting the weather on television or radio.

Operational Forecasting. Satisfied by:

Rationale for proposal
Chemistry is changing CHEM 190 into lecture (190) and lab (191 sections). They are also changing CHEM 195 into lecture (195) and lab (196) sections.
### Program Change Request

**Date Submitted:** 11/28/17 2:40 pm

**Viewing:** **BIOL-BA : Biochemistry, B.A.**

**Last approved:** 08/23/16 4:28 pm  
**Last edit:** 11/28/17 2:40 pm  
**Changes proposed by:** weghorst

**Catalog Pages Using this Program**

<table>
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</tr>
</thead>
<tbody>
<tr>
<td>Program Type</td>
<td>Degree/Major</td>
</tr>
<tr>
<td>Department/Program</td>
<td>Biology</td>
</tr>
<tr>
<td>School/College</td>
<td>College of Lib Arts &amp; Sciences</td>
</tr>
<tr>
<td>Degree Code</td>
<td>Bachelor of Arts - BA</td>
</tr>
</tbody>
</table>

**Consulting School(s)/College(s)**

<table>
<thead>
<tr>
<th>School(s)/College(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>College of Lib Arts &amp; Sciences</td>
</tr>
</tbody>
</table>

**Consulting Department(s)**

<table>
<thead>
<tr>
<th>Department(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Microbiology</td>
</tr>
</tbody>
</table>

**CIP Code** 260202

**Program Name** Biochemistry, B.A.

**Do you intend to offer a track(s)?**

No

**Effective Catalog** **2018-2019**

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### Program Description

**Degree Requirements**
Majors and Concentrations Bachelor's degree requirements in biology are modified as necessary. Current requirements are available in the UBP office and online. Major programs are offered in biochemistry, biology, human biology, and microbiology. Students may choose to concentrate in a range of specialties in the biological sciences, such as botany, cellular biology, developmental biology, environmental biology, ecology, entomology, genetics, marine biology, molecular biology, neurobiology, paleontology, physiology, systematics, or zoology (invertebrate or vertebrate). Requirements for the B.A. Major in Biochemistry

In addition to degree and major requirements for Major Course Requirements Major Hours & Major GPA. While completing all plans and subplans, all students required courses, majors must complete also meet each of the KU Core, following hour and grade-point average minimum standards:

<table>
<thead>
<tr>
<th>Major Course Requirements</th>
<th>General Science Requirements (33-36)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Majors must complete the following general science requirements that serve as foundational courses for this major.</td>
<td>Biology Orientation Seminar Satisfied by:</td>
</tr>
<tr>
<td></td>
<td>BIOL 105 Biology Orientation Seminar</td>
</tr>
</tbody>
</table>

Rationale for proposal
1) The descriptive text preceding the major requirements was out-of-date and relatively uninformative. We have added text regarding additional degree and KU Core requirements.

2) The Dept. of Chemistry has split CHEM 190 into CHEM 190 and 191, and CHEM 195 into CHEM 195 and 196, and we have updated our requirements accordingly. These changes were approved by CUSA 9/22/15 and by CAC 10/20/15. We are submitting those changes via CIM only for the 2016-17 catalog updates. BIOL 636 Biochemistry I was proposed to increase to 4 h in a separate proposal, and the current change only affects the Major Hours total (increasing to 36, up from 35).

Additional Information

Supporting Documents

Program Reviewer Comments

Key: 178
Program Change Request

Date Submitted: 11/28/17 3:07 pm

Viewing: BIOL-BS : Biochemistry, B.S.

Last approved: 10/24/17 12:30 pm
Last edit: 11/28/17 3:07 pm
Changes proposed by: weghorst

Catalog Pages Using this Program

Bachelor of Science in Biochemistry

Academic Career
Undergraduate, Lawrence

Program Type
Degree/Major

Department/Program
Biology

School/College
College of Lib Arts & Sciences

Degree Code
Bachelor of Science - BS

Consulting School(s)/College(s)
College of Lib Arts & Sciences

Consulting Department(s)
Microbiology

CIP Code
260202

Program Name
Biochemistry, B.S.

Do you intend to offer a track(s)?
No

Do you intend for this program to be offered online?
No

Effective Catalog
2018-2019

Program Description

Degree Requirements
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 47 hours of major courses.

Major Hours in Residence

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

Major Junior/Senior Hours

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

Major Junior/Senior Graduation GPA

Satisfied by a minimum of a 2.0 KU GPA in junior/senior courses (300+) in the major. GPA calculations include all junior/senior courses in the field of study including F's and repeated courses. See the Semester/Cumulative GPA Calculator.
Program Change Request

Date Submitted: 11/28/17 2:55 pm

Viewing: **BIOL-BAS : Biotechnology, B.A.S.**

Last approved: 10/24/17 12:30 pm
Last edit: 11/28/17 2:55 pm
Changes proposed by: weghorst

<table>
<thead>
<tr>
<th>Catalog Pages Using this Program</th>
<th>Bachelor of Applied Science in Biotechnology</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Academic Career</th>
<th>Undergraduate, Lawrence</th>
</tr>
</thead>
<tbody>
<tr>
<td>Program Type</td>
<td>Degree/Major</td>
</tr>
<tr>
<td>Department/Program</td>
<td>Biology</td>
</tr>
<tr>
<td>School/College</td>
<td>College of Lib Arts &amp; Sciences</td>
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<tr>
<td>Degree Code</td>
<td>Bachelor of Applied Science - BAS</td>
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</table>

Consulting School(s)/College(s)
Consulting Department(s)

<table>
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<tr>
<th>CIP Code</th>
<th>261201</th>
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</thead>
<tbody>
<tr>
<td>Program Name</td>
<td>Biotechnology, B.A.S.</td>
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</tbody>
</table>

Do you intend to offer a track(s)?
No

Do you intend for this program to be offered online?
No

Effective Catalog 2018-2019

Program Description

Degree Requirements
BIOL-BAS: Biotechnology, B.A.S.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tr>
<td>BTEC 599</td>
<td>Biotechnology Internship</td>
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<tr>
<td>BTEC 630</td>
<td>Biotechnology, Regulation, Quality Control, and Quality Assurance</td>
<td>3</td>
</tr>
<tr>
<td>BTEC 640</td>
<td>Biotechnology Capstone II</td>
<td>3</td>
</tr>
<tr>
<td>BTEC or BIOL Jr/Sr electives</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

**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 45 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 45 hours from junior/senior courses (300+) in the major.

**Major Junior/Senior Graduation GPA**
Satisfied by a minimum of a 2.0 KU GPA in junior/senior courses (300+) in the major. GPA calculations include all junior/senior courses in the field of study including F's and repeated courses. See the [Semester/Cumulative GPA Calculator](https://next.catalog.ku.edu/courseleaf/approve/).

---

**Rationale for proposal**
BIOL 646 Mammalian Physiology has been renumbered as BIOL 546, and it has been reduced from 4 to 3 credit hours.

**Additional Information**
The number of credit hours of BTEC 475 will change from 2 to 6. This change has been submitted.
Program Change Request

Date Submitted: 10/26/17 9:00 am

Viewing: CHEM-BA : Chemistry, B.A.

Last approved: 10/24/17 12:31 pm
Last edit: 10/26/17 9:00 am
Changes proposed by: drb

Catalog Pages Using this Program

Bachelor of Arts in Chemistry

Academic Career: Undergraduate, Lawrence
Program Type: Degree/Major
Department/Program: Chemistry
School/College: College of Lib Arts & Sciences
Degree Code: Bachelor of Arts - BA

Consulting School(s)/College(s)
Consulting Department(s)

CIP Code: 400501
Program Name: Chemistry, B.A.

Do you intend to offer a track(s)?
No

Do you intend for this program to be offered online?
No

Effective Catalog: 2018-2019

Program Description

Degree Requirements
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 40 hours of major courses.

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

**Major Junior/Senior Hours**
Satisfied by a minimum of 23.5 hours from junior/senior courses (300+) in the major.

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

This accompanies a course change proposal to split CHEM 190 into separate lecture and laboratory components (CHEM 190 and 191, respectively), and to do the same for CHEM 195 (CHEM 195 and 196, respectively).

Rachel Schwien (rschwien) (11/07/17 10:32 am): Holding for CHEM 190/191 & CHEM 195/196
Program Change Request

Date Submitted: 10/26/17 9:10 am

Viewing: **CHEM-BS : Chemistry, B.S.**

Last approved: 10/24/17 12:31 pm  
Last edit: 10/26/17 9:10 am

Changes proposed by: drb

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<tr>
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<table>
<thead>
<tr>
<th>Academic Career</th>
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</thead>
<tbody>
<tr>
<td>Program Type</td>
<td>Degree/Major</td>
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<tr>
<td>Department/Program</td>
<td>Chemistry</td>
</tr>
<tr>
<td>School/College</td>
<td>College of Lib Arts &amp; Sciences</td>
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<td>Degree Code</td>
<td>Bachelor of Science - BS</td>
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</table>

Consulting School(s)/College(s)

<table>
<thead>
<tr>
<th>Consulting Department(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
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</table>

CIP Code 400501

Program Name Chemistry, B.S.

Do you intend to offer a track(s)? No

Do you intend for this program to be offered online? No

Effective Catalog 2018-2019

Program Description

Degree Requirements

https://next.catalog.ku.edu/courseleaf/approve/
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Satisfied by</th>
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<tbody>
<tr>
<td>CHEM 195 &amp; CHEM 196</td>
<td>Foundations of Chemistry II, Honors and Foundations of Chemistry II Laboratory, Honors</td>
<td>0.5</td>
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<tr>
<td>CHEM 180</td>
<td>Seminar I</td>
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<tr>
<td>CHEM 201</td>
<td>Laboratory Safety in the Chemical Sciences</td>
<td>1</td>
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<tr>
<td>CHEM 330 or CHEM 380</td>
<td>Organic Chemistry I</td>
<td></td>
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<tr>
<td>CHEM 330</td>
<td>Organic Chemistry I Laboratory</td>
<td></td>
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<td>CHEM 331</td>
<td>Organic Chemistry I Laboratory</td>
<td>5</td>
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<tr>
<td>CHEM 335 or CHEM 385</td>
<td>Organic Chemistry II</td>
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<td>CHEM 336</td>
<td>Organic Chemistry II Laboratory</td>
<td>5</td>
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<tr>
<td>CHEM 400 &amp; CHEM 401</td>
<td>Analytical Chemistry and Analytical Chemistry Laboratory</td>
<td>5</td>
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<tr>
<td>CHEM 530</td>
<td>Physical Chemistry I</td>
<td>4</td>
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</tbody>
</table>

Rationale for proposal

This accompanies a course change proposal to split CHEM 190 into separate lecture and laboratory components (CHEM 190 and 191, respectively), and to do the same for CHEM 195 (CHEM 195 and 196, respectively).

Additional Information

Supporting Documents

Program Reviewer Comments

Rachel Schwien (rschwien) (11/07/17 10:32 am): Holding for CHEM 190/191 & CHEM 195/196
Program Change Request

Date Submitted: 11/28/17 11:23 am

Viewing: **GEOG-BS : Geography, B.S.**

Last approved: 10/24/17 12:33 pm
Last edit: 11/28/17 2:53 pm
Changes proposed by: koerner

<table>
<thead>
<tr>
<th>Catalog Pages</th>
<th>Bachelor of Science in Geography</th>
</tr>
</thead>
<tbody>
<tr>
<td>Using this Program</td>
<td></td>
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<table>
<thead>
<tr>
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<th>Undergraduate, Lawrence</th>
</tr>
</thead>
<tbody>
<tr>
<td>Program Type</td>
<td>Degree/Major</td>
</tr>
<tr>
<td>Department/Program</td>
<td>Geography</td>
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<td>School/College</td>
<td>College of Lib Arts &amp; Sciences</td>
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<td>Bachelor of Science - BS</td>
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<td>Program Name</td>
<td>Geography, B.S.</td>
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</table>

<table>
<thead>
<tr>
<th>Do you intend to offer a track(s)?</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Do you intend for this program to be offered online?</td>
<td>No</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Effective Catalog</th>
<th>2018-2019</th>
</tr>
</thead>
</table>

Program Description

Degree
Requirements
Geography 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 48 hours of major courses.

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

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

**Major Junior/Senior (300+) Graduation GPA**
Satisfied by a minimum of a 2.0 KU GPA in junior/senior courses (300+) in the major. GPA calculations include all junior/senior courses in the field of study including F's and repeated courses. See the [Semester/Cumulative GPA Calculator](https://next.catalog.ku.edu/courseleaf/approve/).

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**Engineering, geology, psychology, urban planning).**

**Electives (14-23)**

14-23 credit hours of any university courses.

CHEM 190 and CHEM 195 will now have separate lab sections (191 and 196)
Program Change Request

Date Submitted: 11/28/17 2:48 pm

Viewing: BIOL-BA: Microbiology, B.A.

Last approved: 03/06/17 11:57 am
Last edit: 11/28/17 2:48 pm
Changes proposed by: weghorst

Catalog Pages Using this Program

Bachelor of Arts in Microbiology

Academic Career Undergraduate, Lawrence
Program Type Degree/Major
Department/ Program Biology
School/College College of Lib Arts & Sciences
Degree Code Bachelor of Arts - BA
Consulting School(s)/College(s)
Consulting Department(s)
CIP Code 260502
Program Name Microbiology, B.A.
Do you intend to offer a track(s)?
No
Do you intend for this program to be offered online?
No
Effective Catalog 2018-2019 2017-2018

Program Description

Degree
Requirements
BIOL 518  Microbial Genetics
BIOL 519  Microbial Genetics Laboratory

Microbiology Elective (3)
Satisfied by completing 3 additional hours of BIOL courses numbered 400 or higher; to be selected in consultation with a microbiology advisor.  3

**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 24-25 hours of major courses.

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

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

**Major Junior/Senior Graduation GPA**
Satisfied by a minimum of a 2.0 KU GPA in junior/senior courses (300+) in the major. GPA calculations include all junior/senior courses in the field of study including F's and repeated courses. See the [Semester/Cumulative GPA Calculator](https://next.catalog.ku.edu/courseleaf/approve/).

---

**Rationale for proposal**

1) The descriptive text preceding the major requirements was out-of-date and relatively uninformative. We have added text regarding potential additional degree and KU Core requirements.

2) The Dept. of Chemistry has split CHEM 190 into CHEM 190 and 191, and CHEM 195 into CHEM 195 and 196, and we have updated our requirements accordingly.

**Additional Information**

**Supporting Documents**

**Program Reviewer**

**Comments**
Program Change Request

Date Submitted: 11/28/17 3:12 pm

Viewing: BIOL-BS : Microbiology, B.S.

Last approved: 03/06/17 11:58 am
Last edit: 11/28/17 3:12 pm
Changes proposed by: weghorst

Catalog Pages
Using this Program

Bachelor of Science in Microbiology

Academic Career
Undergraduate, Lawrence

Program Type
Degree/Major

Department/Program
Biology

School/College
College of Lib Arts & Sciences

Degree Code
Bachelor of Science - BS

Consulting School(s)/College(s)

Consulting Department(s)

CIP Code
260502

Program Name
Microbiology, B.S.

Do you intend to offer a track(s)?
No

Do you intend for this program to be offered online?
No

Effective Catalog
2018-2019 2017-
2018

Program Description

Degree Requirements

In Workflow
A. CLAS
Undergraduate Program and Course Coordinator

B. CUSA Subcommittee

C. CUSA Committee

D. CAC

E. CLAS Final Approval

F. Future Academic Catalog

Approval Path
A. 11/28/17 3:18 pm
Rachel Schwien (rschwien)
Approved for CLAS Undergraduate Program and Course Coordinator

History
A. Mar 6, 2017 by Jennifer Weghorst (weghorst)
Physics. Satisfied by one of the following: 8-9

Option 1: College Physics

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHSX 114</td>
<td>College Physics I</td>
</tr>
<tr>
<td>&amp; PHSX 115</td>
<td>and College Physics II</td>
</tr>
</tbody>
</table>

Option 2: General Physics

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHSX 211</td>
<td>General Physics I</td>
</tr>
<tr>
<td>&amp; PHSX 216</td>
<td>and General Physics I Laboratory</td>
</tr>
<tr>
<td>PHSX 212</td>
<td>General Physics II</td>
</tr>
<tr>
<td>&amp; PHSX 236</td>
<td>and General Physics II Laboratory</td>
</tr>
</tbody>
</table>

Microbiology Course Requirements (29-30)

Satisfied by completing 29-30 hours from the following courses:

Fundamentals of Microbiology. Satisfied by one of the following: 3-4

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 400</td>
<td>Fundamentals of Microbiology</td>
</tr>
<tr>
<td>BIOL 401</td>
<td>Fundamentals of Microbiology, Honors</td>
</tr>
</tbody>
</table>

Fundamentals of Microbiology Laboratory. Satisfied by:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 402</td>
<td>Fundamentals of Microbiology Laboratory</td>
</tr>
</tbody>
</table>

Cell Structure & Function. Satisfied by one of the following: 2

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 416</td>
<td>Cell Structure and Function</td>
</tr>
<tr>
<td>or BIOL 536</td>
<td>Cell Structure and Function (Honors)</td>
</tr>
</tbody>
</table>

Rationale for proposal

1) The descriptive text preceding the major requirements was out-of-date and relatively uninformative.

2) The Dept. of Chemistry has split CHEM 190 into CHEM 190 and 191, and CHEM 195 into CHEM 195 and 196, and we have updated our requirements accordingly.

Additional Information

Supporting Documents

Program Reviewer Comments
### Program Change Request

**Date Submitted:** 11/28/17 3:16 pm  
**Viewing:** **BIOL-BS : Molecular Biosciences, B.S.**  
**Last approved:** 10/24/17 12:30 pm  
**Last edit:** 11/28/17 3:16 pm  
**Changes proposed by:** weghorst

<table>
<thead>
<tr>
<th>Catalog Pages</th>
<th>Bachelor of Science in Molecular Biosciences</th>
</tr>
</thead>
<tbody>
<tr>
<td>Using this Program</td>
<td></td>
</tr>
</tbody>
</table>

### Academic Career
- Undergraduate, Lawrence

### Program Type
- Degree/Major

### Department/Program
- Biology

### School/College
- College of Lib Arts & Sciences

### Degree Code
- Bachelor of Science - BS

### Consulting School(s)/College(s)
- College of Lib Arts & Sciences

### CIP Code
- 260204

### Program Name
- Molecular Biosciences, B.S.

**Do you intend to offer a track(s)?**
- No

**Do you intend for this program to be offered online?**
- No

### Effective Catalog
- 2018-2019

### Program Description

**Degree Requirements**
### BIOL 419
Topics in: ____

### BIOL 421
Topics in Molecular Biosciences: ____

### BIOL 420
Seminar: ____

### BIOL 701
Topics in: ____

**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 43-44 hours of major courses.

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

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

**Major Junior/Senior Graduation GPA**
Satisfied by a minimum of a 2.0 KU GPA in junior/senior courses (300+) in the major. GPA calculations include all junior/senior courses in the field of study including F's and repeated courses. See the [Semester/Cumulative GPA Calculator](https://next.catalog.ku.edu/courseleaf/approve/).

---

The Dept. of Chemistry has split CHEM 190 into CHEM 190 and 191, and CHEM 195 into CHEM 195 and 196, and we have updated our requirements accordingly.
Program Change Request

Date Submitted: 11/16/17 11:44 am

Viewing: PHSX-BA : Physics, B.A.

Last approved: 01/31/17 10:29 am
Last edit: 12/01/17 10:03 am
Changes proposed by: shark

Catalog Pages Using this Program

Bachelor of Arts in Physics

Program Description

Degree Requirements

Do you intend to offer a track(s)?

Do you intend for this program to be offered online?

No

Effective Catalog 2018-2019 2017-2018

In Workflow

A. CLAS Undergraduate Program and Course Coordinator
B. CUSA Subcommittee
C. CUSA Committee
D. CAC
E. CLAS Final Approval
F. Future Academic Catalog

Approval Path

A. 11/28/17 3:19 pm
Rachel Schwien (rschwien): Approved for CLAS Undergraduate Program and Course Coordinator

History

A. Sep 27, 2016 by Kristin Rennells (tatekris)
B. Jan 31, 2017 by Kristin Rennells (tatekris)
<table>
<thead>
<tr>
<th>Rationale for proposal</th>
<th>Updating to reflect changes to honors courses.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Additional Information</td>
<td>The Physics and Astronomy Undergraduate Committee approved this measure at its September 2016 meeting.</td>
</tr>
</tbody>
</table>
### Program Change Request

**Viewing:** AAAS-MIN: African and African-American Studies, Minor

**Date Submitted:** 11/20/17 10:48 am

**Last approved:** 10/24/17 12:29 pm

**Last edit:** 11/21/17 8:42 am

**Changes proposed by:** roxie

<table>
<thead>
<tr>
<th>Catalog Pages Using this Program</th>
<th>Minor in African and African-American Studies</th>
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</thead>
</table>

<table>
<thead>
<tr>
<th>Academic Career</th>
<th>Undergraduate, Lawrence</th>
</tr>
</thead>
<tbody>
<tr>
<td>Program Type</td>
<td>Minor</td>
</tr>
<tr>
<td>Department/Program</td>
<td>African &amp; African-American St</td>
</tr>
<tr>
<td>School/College</td>
<td>College of Lib Arts &amp; Sciences</td>
</tr>
<tr>
<td>Consulting School(s)/College(s)</td>
<td></td>
</tr>
<tr>
<td>Consulting Department(s)</td>
<td></td>
</tr>
<tr>
<td>Program Name</td>
<td>African and African-American Studies, Minor</td>
</tr>
</tbody>
</table>

**Do you intend to offer a track(s)?**

**Do you intend for this program to be offered online?**

No

**Effective Catalog**

2018-2019

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**Program Description**

**Degree Requirements**

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[https://next.catalog.ku.edu/courseleaf/approve/](https://next.catalog.ku.edu/courseleaf/approve/)
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 a minimum of 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 (300+) Hours**
Satisfied by a minimum of 12 hours from junior/senior courses (300+) in the minor.

**Minor Graduation GPA**
Satisfied by a minimum of a 2.0 KU GPA in all departmental courses 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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HAIT 230</td>
<td>Intermediate Haitian I</td>
<td>3</td>
</tr>
<tr>
<td>HAIT 240</td>
<td>Intermediate Haitian II</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>12 additional hours of the language or related courses at the 300 level or above</td>
<td>12</td>
</tr>
</tbody>
</table>
Requirements for the Minor in Astronomy

Astronomy Minor Course Requirements

Students selecting this minor must complete courses as specified in each of the following areas:

<table>
<thead>
<tr>
<th>General Physics I (5)</th>
<th>General Physics I and General Physics I Laboratory</th>
<th>General Physics I for Engineers and General Physics I Laboratory</th>
<th>General Physics I Honors</th>
<th>Calculus Supplement to College Physics I and College Physics I</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHSX 211</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>&amp; PHSX 216</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHSX 210</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>&amp; PHSX 216</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHSX 213</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>PHSX 201</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>&amp; PHSX 114</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

General Physics II (4)

Satisfied by one of the following:

<table>
<thead>
<tr>
<th>PHSX 212</th>
<th>General Physics II and General Physics II Laboratory</th>
<th>PHSX 214</th>
<th>General Physics II Honors</th>
</tr>
</thead>
<tbody>
<tr>
<td>&amp; PHSX 236</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Rationale for proposal

Updating to include all possible flavors of general physics I and II.
Program Change Request

Date Submitted: 11/09/17 9:37 am

Viewing: **CHEM-MIN : Chemistry, Minor**

Last approved: 10/24/17 12:32 pm
Last edit: 11/09/17 9:37 am
Changes proposed by: drb

<table>
<thead>
<tr>
<th>Catalog Pages Using this Program</th>
<th>Minor in Chemistry</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Academic Career</th>
<th>Undergraduate, Lawrence</th>
</tr>
</thead>
<tbody>
<tr>
<td>Program Type</td>
<td>Minor</td>
</tr>
<tr>
<td>Department/Program</td>
<td>Chemistry</td>
</tr>
<tr>
<td>School/College</td>
<td>College of Lib Arts &amp; Sciences</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Consulting School(s)/College(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Consulting Department(s)</td>
</tr>
<tr>
<td>Program Name</td>
</tr>
<tr>
<td>Do you intend to offer a track(s)?</td>
</tr>
<tr>
<td>Do you intend for this program to be offered online?</td>
</tr>
<tr>
<td>Effective Catalog</td>
</tr>
</tbody>
</table>

Program Description

Degree Requirements
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Satisfied by</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 530</td>
<td>Physical Chemistry I</td>
<td>Systematic Inorganic Chemistry</td>
</tr>
<tr>
<td>CHEM 660</td>
<td>Systematic Inorganic Chemistry</td>
<td></td>
</tr>
</tbody>
</table>

*Students who elect to take CHEM 520 from Option Group 1 cannot take CHEM 510 or CHEM 530 from Option Group 2.*

**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 23-24 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 13 hours from junior/senior courses (300+) in the minor.

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

---

**Rationale for proposal**
This request accompanies proposal to split CHEM 190 (and 195) into separate lecture and laboratory components.

**Additional Information**
Any student that has taken CHEM 530+535+537 will be allowed those courses and a minor substitution will be filled out.
# Program Change Request

Date Submitted: 11/21/17 11:31 am

**Viewing:** **CLSX-MIN : Classics, Minor**

Last edit: 11/27/17 9:28 am  
Changes proposed by: tswelch

<table>
<thead>
<tr>
<th>Catalog Pages Using this Program</th>
<th>Minor in Classics</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Academic Career</th>
<th>Undergraduate, Lawrence</th>
</tr>
</thead>
<tbody>
<tr>
<td>Program Type</td>
<td>Minor</td>
</tr>
<tr>
<td>Department/Program</td>
<td>Classics</td>
</tr>
<tr>
<td>School/College</td>
<td>College of Lib Arts &amp; Sciences</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Consulting School(s)/College(s)</th>
<th>School(s)/College(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>College of Lib Arts &amp; Sciences</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Consulting Department(s)</th>
<th>Department(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Classics</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Program Name</th>
<th>Classics, Minor</th>
</tr>
</thead>
</table>

**Do you intend to offer a track(s)?**  
Yes

**Please name the track(s)**

<table>
<thead>
<tr>
<th>Track Name(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Greek, Latin, Greek and Latin, Classical Antiquity</td>
</tr>
</tbody>
</table>

**Effective Catalog**  
2017 - 2018

**Program Description**

The Classics minor allows students to explore a facet of ancient Greek and Roman culture at an advanced level, such as the Greek and/or Latin languages or ancient archaeology.

**Degree Requirements**
Requirements for the Minor

The minor requires 18 credit hours (12 hours at the junior/senior level) in courses in the Department of Classics (and other approved courses).

Minor Hours & GPA

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

Minor Hours
Satisfied by 18 hours of minor courses.

Minor Hours in Residence
Satisfied by a minimum of 9 hours of junior/senior (300+) 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 major.

Minor Graduation GPA
Satisfied by a minimum of a 2.0 GPS in all departmental courses in the minor. GPA calculations include all departmental courses in the field of study including Fs and repeated courses. See the Semester/Cumulative GPA Calculator.

Greek

We are retiring CLSX 317 and have added 515 and 516 (Greek gender, Roman gender) to the curriculum.

HA has been informed of the deletion of CLSX 317.
Program Change Request

Date Submitted: 11/20/17 8:43 am

Viewing: PHSX-MIN : Physics, Minor

Last approved: 10/24/17 12:38 pm
Last edit: 11/20/17 8:43 am
Changes proposed by: shark

Catalog Pages
Using this Program

Minor in Physics

Academic Career
Undergraduate, Lawrence

Program Type
Minor

Department/Program
Physics & Astronomy

School/College
College of Lib Arts & Sciences

Consulting School(s)/College(s)

Consulting Department(s)

Program Name
Physics, Minor

Do you intend to offer a track(s)?
No

Do you intend for this program to be offered online?
No

Effective Catalog
2018-2019

Program Description

Degree Requirements
Requirements for the Minor in Physics

Physics Minor Course Requirements

Student selecting this minor must complete courses as specified in each of the following areas:

<table>
<thead>
<tr>
<th>General Physics I. Satisfied by one of the following:</th>
<th>4-5</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHSX 201 &amp; PHSX 114</td>
<td>Calculus Supplement to College Physics I and College Physics I</td>
</tr>
<tr>
<td>PHSX 210 &amp; PHSX 216</td>
<td>General Physics I for Engineers and General Physics I Laboratory</td>
</tr>
<tr>
<td>PHSX 211 &amp; PHSX 216</td>
<td>General Physics I and General Physics I Laboratory</td>
</tr>
<tr>
<td>PHSX 213</td>
<td>General Physics I Honors</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>General Physics II. Satisfied by one of the following:</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHSX 202 &amp; PHSX 115</td>
<td>Calculus Supplement to College Physics II and College Physics II</td>
</tr>
<tr>
<td>PHSX 212 &amp; PHSX 236</td>
<td>General Physics II and General Physics II Laboratory</td>
</tr>
<tr>
<td>PHSX 214</td>
<td>General Physics II Honors</td>
</tr>
</tbody>
</table>

Rationale for proposal

Updating to include EPHX versions of 500 level courses.

Additional Information

The total hours for satisfying General Physics I should be '4 - 5'. I'm not sure how to fix that with this editor. Sorry about that.