### Course Inventory Change Request

**Viewing: BIOL 507: Bacterial Infectious Diseases Laboratory**

Last edit: 12/01/16 4:19 pm

Changes proposed by: gburg

<table>
<thead>
<tr>
<th>Catalog Pages referencing this course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor of Arts in Microbiology</td>
</tr>
<tr>
<td>Bachelor of Science in Microbiology</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Programs</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL-BA: Microbiology, B.A.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Academic Career</th>
<th>Undergraduate, Lawrence</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subject Code</td>
<td>BIOL</td>
</tr>
<tr>
<td>Academic Unit</td>
<td>Department Biology (BIOL)</td>
</tr>
<tr>
<td>School/College</td>
<td>College of Lib Arts &amp; Sciences</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Title</th>
<th>Bacterial Infectious Diseases Laboratory Pathogenic Microbiology Laboratory</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transcript Title</td>
<td>Bacterial Infect Disease Lab Pathogenic Microbiology Laboratory</td>
</tr>
<tr>
<td>Effective Term</td>
<td>Fall 2017</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Catalog Description</th>
<th>Laboratory to complement BIOL 506. Cultivation of pathogenic microorganisms, diagnostic procedures, and experiments to demonstrate various aspects of microbial pathogenicity and host responses.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prerequisites</td>
<td>BIOL 402 and BIOL 506 (or concurrent enrollment) or consent of instructor.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Credits</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course Type</td>
<td>Laboratory Main (Laboratory that is a main component) (LAB)</td>
</tr>
<tr>
<td>Associated Components (Optional)</td>
<td>Discussion – Mandatory discussion associated with a main component</td>
</tr>
<tr>
<td>Associated Components (Optional)</td>
<td>Discussion optional – Voluntary discussion associated with a main component</td>
</tr>
<tr>
<td>Grading Basis</td>
<td>A-D(+/)-FI</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>Only Spring Semester</td>
</tr>
<tr>
<td>Repeatable for credit?</td>
<td>No</td>
</tr>
</tbody>
</table>

| Principal Course Designator | U - Undesignated elective |

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

<p>| Will this course be required for a degree, major, minor, certificate, or concentration? | Yes |</p>
<table>
<thead>
<tr>
<th>Which Program(s)?</th>
<th>Program Code - Name</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(BIOL-BS) Microbiology, B.S.</td>
</tr>
</tbody>
</table>

**Describe how:** BIOL 507 is already required for this degree. This is simply a course title change.

**Rationale for Course Proposal**
This proposed course title change will match the lecture course, BIOL 506 Bacterial Infectious Diseases, to which this lab is associated.
Course Inventory Change Request

Date Submitted: 12/05/16 1:56 pm

Viewing: **CLSX 332 : Medical Terminology: Scientific Word Power: Greek and Latin Roots Elements in the Vocabulary of Science**

Last edit: 12/05/16 1:56 pm

Changes proposed by: tswelch

- **Catalog Pages referencing this course**
  - College of Liberal Arts & Sciences
  - Department of Classics
  - CLSX-BA/BGS: Classical Antiquity, B.A./B.G.S.

- **Academic Career**
  - Undergraduate, Lawrence

- **Subject Code**
  - CLSX

- **Course Number**
  - 332

- **Academic Unit**
  - Department: Classics (CLSX)
  - School/College: College of Lib Arts & Sciences

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

- **Please Explain**
  - This course is currently offered entirely online in the semester format. We have offered it in the 4-week summer session and would like to develop it for the 4-week intersession as well.

- **Title**
  - Medical Terminology: Scientific Word Power: Greek and Latin Roots Elements in the Vocabulary of Science

- **Transcript Title**
  - Med Term: Grk & Lat Roots Sc Word Pwr:Grk&Lat in Science

- **Effective Term**
  - Spring 2017

- **Catalog Description**
  - A comprehensive study of the terminology of science, with reference to its debt to the Greek and Latin elements in medical terminology. Students will learn word roots and how to combine them, as well as become acquainted with their relationship to mythology and the influence of ancient ideas about health and the body on modern healthcare. This class is useful for anyone going into the health field including management, clinical areas, insurance, and technical fields. While all the natural sciences will be treated, there will be some emphasis on the biological sciences. No knowledge of Greek or Latin is required. A student may not receive credit for both CLSX 232 and CLSX 332.

- **Prerequisites**
  - None

- **Cross Listed Courses:**

- **Credits**
  - 3

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

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

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

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

- **Typically Offered**
  - Twice a Year

- **Repeatable for credit?**
  - No

- **Principal Course Designator**
  - H - Humanities

- **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

We have revised this course (and continue to do so) to respond to the needs both of students in the health sciences and Classics majors and minors. The previous title and description left the content and approach unclear.

Course Reviewer

Comments

Key: 3145
# Course Inventory Change Request

**Viewing:** EVRN 320 : Environmental Policy Analysis

**Last edit:** 01/05/17 3:47 pm

Changes proposed by: avoss

## Catalog Pages referencing this course
- BA in Environmental Studies
- BGS in Environmental Studies
- Bachelor of Science in Environmental Studies
- College of Liberal Arts & Sciences
- Environmental Studies Program

## Academic Career
- Undergraduate, Lawrence

## Subject Code
- EVRN

## Course Number
- 320

## Academic Unit
- Department: Environmental Studies (EVRN)
- School/College: College of Lib Arts & Sciences

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

## Title
- Environmental Policy Analysis

## Transcript Title
- Environmental Policy Analysis

## Effective Term
- Fall 2017

## Catalog Description
An historical and analytical study of the formulation, implementation, and consequences of environmental policy in the United States. Attention will be directed at relevant interest groups, issues specific to both rural and urban populations, relationships between national policies and international organizations concerned with environmental problems.

## Prerequisites
- EVRN 140/GEOG 140/HIST 140 or EVRN 142/GEOG 142/HIST 142; or 148/GEOG 148; and EVRN 144/GEOG 144/HIST 144 or 103/HIST 103, EVRN 145/GEOG 145/HIST 145; or EVRN 148/GEOG 148; or concurrent enrollment. 347/HIST 347 or EVRN 150/GEOG 150.

## Cross Listed Courses:

## Credits
- 3

## Course Type
- Lecture (Regularly scheduled academic course) (LEC)

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

## 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?
- Yes

## Which Program(s)?

<table>
<thead>
<tr>
<th>Program Code - Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>(EVRN-BA/BGS) Environmental Studies, B.A./B.G.S.</td>
</tr>
<tr>
<td>(EVRN-BS) Environmental Studies, B.S.</td>
</tr>
</tbody>
</table>
### Describe how:

This course has been required for EVRN-BA/BGS and EVRN-BS; prerequisites are simply being updated to reflect courses that better prepare students for this course.

<table>
<thead>
<tr>
<th>Rationale for Course Proposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>This course has been required for EVRN-BA/BGS and EVRN-BS; prerequisites are simply being updated to reflect courses that better prepare students for this course.</td>
</tr>
</tbody>
</table>

### Course Reviewer Comments

Key: 3807
Course Inventory Change Request

Date Submitted: 01/05/17 3:50 pm

Viewing: **EVRN 332 : Environmental Law**

Last edit: 01/05/17 3:50 pm
Changes proposed by: avoss

Catalog Pages referencing this course:
- BA in Environmental Studies
- BGS in Environmental Studies
- Bachelor of Science in Environmental Studies
- College of Liberal Arts & Sciences
- Environmental Studies Program

Academic Career: Undergraduate, Lawrence

Subject Code: EVRN  Course Number: 332

Academic Unit: Department Environmental Studies (EVRN)
School/College: College of Lib Arts & Sciences

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

Title: Environmental Law

Transcript Title: Environmental Law

Effective Term: Fall 2017

Catalog Description:
An introduction to how the American legal process improves, transforms, and damages the natural environment. Emphasizes and compares shifting responsibilities of legal forces and institutions: judges and litigants, legislators and statutes, agencies and administrations, and citizens and regulated entities.

Prerequisites:
- EVRN 140/GEOG 140/HIST 140 or EVRN 142/GEOG 142/HIST 142; or 148 and EVRN 144/GEOG 144/HIST 144 or 103/HIST 103, EVRN 145/GEOG 145/HIST 145; or EVRN 148/GEOG 148; or concurrent enrollment. 347/HIST 347 or EVRN 150/GEOG 150.

Cross Listed Courses:

Credits: 3

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

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

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? No

Principal Course Designator: U - Undesignated elective

Course Designator: EVRN

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>(EVRN-BA/BGS) Environmental Studies, B.A./B.G.S.</td>
</tr>
<tr>
<td>(EVRN-BS) Environmental Studies, B.S.</td>
</tr>
</tbody>
</table>

Approval Path

1. 01/06/17 11:58 am
Rachel Schwien (rschwien): Approved for CLAS Undergraduate Program and Course Coordinator

2. 01/17/17 1:56 pm
Rachel Schwien (rschwien): Approved for CUSA Subcommittee
<table>
<thead>
<tr>
<th>Rationale for Course Proposal</th>
<th>This course has been required for EVRN-BA/BGS and EVRN-BS; prerequisites are simply being updated to reflect courses that better prepare students for this course.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course Reviewer Comments</td>
<td></td>
</tr>
</tbody>
</table>

This course has been required for EVRN-BA/BGS and EVRN-BS; prerequisites are simply being updated to reflect courses that better prepare students for this course.
Course Inventory Change Request

Date Submitted: 11/29/16 12:26 pm

Viewing: GEOL 535: Petroleum and Subsurface Geology

Last edit: 11/29/16 12:26 pm
Changes proposed by: olcott

Catalog Pages referencing this course
Bachelor of Science in Petroleum Engineering
College of Liberal Arts & Sciences
Department of Chemical & Petroleum Engineering
Department of Geology
School of Engineering

Academic Career: Undergraduate, Lawrence
Subject Code: GEOL
Course Number: 535
Academic Unit: Department of Geology (GEOL)
School/College: College of Liberal Arts & Sciences

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

Title: Petroleum and Subsurface Geology
Transcript Title: Petroleum & Subsurface Geology
Effective Term: Fall 2017

Catalog Description:
A general study of the occurrence, properties, origin, and migration of petroleum. Studies of various oil fields and oil-bearing basins. Laboratory studies include well logs, subsurface mapping, and cross-sections.

Prerequisites: GEOL 331, GEOL 562, and either GEOL 562 GEOL 572, or C&PE 327, 527, or permission of instructor.

Cross Listed Courses:

Credits: 4
Course Type: Lecture (Regularly scheduled academic course) (LEC)
Associated Components (Optional): Laboratory - Associated with a main component
Grading Basis: A-D (+/-) FI
Is this course part of the University Honors Program?
No

Are you proposing this course for KU Core?
No

Typically Offered
No

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?
Yes

Which Program(s)?

Program Code - Name
(GEOL-BS) Geology, B.S.

Describe how:
This is already in the curriculum, we are just changing the requirements

Approval Path
1. 12/15/16 2:52 pm
Rachel Schwien (rschwien):
Approved for CLAS Undergraduate Program and Course Coordinator
2. 01/17/17 1:56 pm
Rachel Schwien (rschwien):
Approved for CUSA Subcommittee
<table>
<thead>
<tr>
<th>Rationale for Course Proposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>This change is to bring the prerequisites with this course in line with our new curriculum. Students are currently required to take either this class or GEOL 572 as an elective, thus it does not make sense to have GEOL 572 as an elective for this class.</td>
</tr>
</tbody>
</table>

**Course Reviewer Comments**
Course Inventory Change Request

Date Submitted: 11/30/16 9:20 am

Viewing: HIST 301 : The Historian's Craft

Last edit: 12/28/16 9:30 am

Changes proposed by: acon

Catalog Pages referencing this course

| BA in History |
| BGS in History |
| Bachelor of Arts and Bachelor of General Studies in History |
| College of Liberal Arts & Sciences |
| Department of History |

Academic Career: Undergraduate, Lawrence

Subject Code: HIST

Course Number: 301

Academic Unit: Department History (HIST)

School/College: College of Lib Arts & Sciences

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

No

Title: The Historian's Craft

Transcript Title: The Historian's Craft

Effective Term: Fall 2017

Catalog Description:

This course introduces students to the practice and methods of the study of history and serves as the gateway to the major. HIST 301 trains students to think like historians, equipping them with skills in research, critical analysis, and oral and written presentation useful to any career but especially integral to careers in archival work, museum work, law, and research. Students learn (1) to think historically; (2) to understand how historians construct and write about the past through narratives, theory and analytical discussion; (3) to critically evaluate historical arguments and the material used to substantiate those arguments, including an introduction to the process of peer review; (4) to develop writing and research skills including the interpretation of primary sources; and (5) to master professional standards of presenting their findings. This course is required of all history majors and is a prerequisite for HIST 696 Seminar in:_______.

Prerequisites:

Completion of KU Core 2.1 and recommended completion of KU Core 2.2. Open only to declared History majors or by consent of instructor.

Cross Listed Courses:

Credits: 3

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

Associated Components (Optional): Discussion – Mandatory discussion associated with a main component

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

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

Are you proposing this course for KU Core?: No

Typically Offered: Typically Every Semester

Repeatable for credit?: No

Principal Course Designator: H - Humanities

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></th>
</tr>
</thead>
<tbody>
<tr>
<td>Currently, any major (including freshman), can enroll in HIST 301. By requiring the completion of these KU Core classes, students will be better prepared to succeed in the course. The change would also aid the History Department in tracking students who can and should take HIST 301 to facilitate advising and scheduling.</td>
<td></td>
</tr>
</tbody>
</table>
# Course Inventory Change Request

**Date Submitted:** 11/30/16 9:32 am  

**Viewing:** HIST 525: France and Its Empire: Modern France: From Acadia Napoleon to Zidane de Gaulle  

**Last edit:** 01/19/17 11:30 am  

**Changes proposed by:** acon

### Programs referencing this course
- GIST-COM: European Studies, Co-Major
- HIST-BA/BGS: History, B.A./B.G.S.
- HIST-MIN: History, Minor

### 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

### Academic Career
- Undergraduate, Lawrence

### Subject Code  
- HIST

### Academic Unit
- Department: History (HIST)  
- School/College: College of Lib Arts & Sciences

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

### Title
- France and Its Empire: Modern France: From Acadia Napoleon to Zidane de Gaulle

### Transcript Title
- France and Its Empire Modern France: Napoleon-de Gaulle

### Effective Term
- Fall 2017

### Catalog Description
A survey of the history of modern France. A study of the importance of modern France through the lens of its overseas empire, the Revolutionary and the relations between Napoleonic era on-French colonies institutions, policy, and society. This course examines the metropolitan “Hexagon.” This course studies search for a viable political system, the establishment of New France, a colonial empire, the Church-state controversy, and the rise of socialism in the early modern period, the relationship between the French Revolution and colonies in Haiti, the French obsession with North Africa in the nineteenth century, the “Second Empire,” at home and abroad, the French role in the Scramble for Africa considers the impact of two world wars on French society, the rapid modernization of countryside and the global age of imperialism, the participation of colonial troops in the world wars, the post-World War II age of colonial wars cities, and decolonization, and the contemporary role of imperial memory and immigrants French political leadership from Clemenceau to France from its former colonies, Blum to de Gaulle in the twentieth century.

### Prerequisites
Requires a prior history course or permission of the instructor. None

### Cross Listed Courses:

<table>
<thead>
<tr>
<th>Credits</th>
<th>Course Type</th>
<th>Grading Basis</th>
<th>Is this course part of the University Honors Program?</th>
<th>Are you proposing this course for KU Core?</th>
<th>Typically Offered</th>
<th>Repeatable for credit?</th>
<th>Principal Course Designator</th>
<th>Course Designator</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Lecture (Regularly scheduled academic course) (LEC)</td>
<td>A-D(+/-)FI</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>H - Humanities</td>
<td>W - World Culture</td>
</tr>
</tbody>
</table>

### Are you proposing that the course count towards the CLAS BA degree specific requirements?  
- No
| Rationale for Course Proposal | I am a new professor updating this course to take account of the "imperial turn," reframing modern French history around the interactions of French men and women with peoples and places from across the globe. |

| Course Reviewer Comments | Rachel Schwien (rschwien) (01/06/17 12:47 pm): emailed dept regarding "related discipline" in prerequisite. Rachel Schwien (rschwien) (01/17/17 2:06 pm): subcommittee felt the prerequisite of a course in a related discipline is too broad and requested revision. emailed dept 1/17 |

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

No
# Course Inventory Change Request

**Date Submitted:** 11/30/16 9:26 am

**Viewing:** **HIST 696 : Seminar in:** _____

**Last edit:** 11/30/16 9:26 am

Changes proposed by: acon

---

### Catalog Pages referencing this course

- BA in History
- BGS in History
- Bachelor of Arts and Bachelor of General Studies in History
- College of Liberal Arts & Sciences
- Department of History

---

### Academic Career

Undergraduate, Lawrence

### Subject Code

HIST

### Course Number

696

### Academic Unit

Department

History (HIST)

School/College

College of Lib Arts & Sciences

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

No

### Title

Seminar in: _____

### Transcript Title

Seminar in:

### Effective Term

Fall 2017

### Catalog Description

A seminar designed to introduce students to the theory and practice of historical inquiry. A research paper will be required. May not be repeated for credit.

### Prerequisites

Completion Twelve hours of 75 credit hours upper-class courses in history and completion of undergraduate study and completion of one 500 level history course, 301 or consent of the instructor.

### Cross Listed Courses:

- Lecture (Regularly scheduled academic course) (LEC)

### Credits

3

### Course Type

A-D(+-)/FI

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

No

### Are you proposing this course for KU Core?

Yes

### Typically Offered

Typically Every Semester

### Repeatable for credit?

No

### Principal Course Designator

H - Humanities

### 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)?**

**Program Code - Name**

(HIST-BA/BGS) History, B.A./B.G.S.

**Describe how:**

This course will fulfill the same requirements as it currently does. No changes have been made to this.
Rationale for Course Proposal

Students who are more advanced in their course work will be better prepared to succeed in this capstone course. The change will also help track the number of students who need to take HIST 696 each semester, which will facilitate advising and scheduling.

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>Date of Departmental Approval</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 as goal 6 outcome 1

Selected Learning Outcome(s):

Goal 6

Is this course or course sequence at the required junior or senior level?

Yes

Explain how students will analyze and combine information from different areas and approach and explain existing questions and problems from new perspectives, pose new questions or generate new ideas. (Please limit responses to 1000 characters.)

Already approved as goal 6 outcome 1

If your course or course sequence expects students to develop a creative product, please detail the nature of this product and how it will require students to think, react, and work in imaginative ways that produce innovative expressions and original perspectives. (Please limit responses to 1000 characters.)

Already approved as goal 6 outcome 1

Indicate the weight of the evidence in the overall grade of your course or educational experience that will evaluate students for integrative or creative thinking and how you will ensure that your syllabus reflects these assignment expectations. (Please limit responses to 1000 characters with countdown.)

Already approved as goal 6 outcome 1

KU Core Documents

Course Reviewer Comments
# Course Inventory Change Request

**Date Submitted:** 12/12/16 4:54 pm  
**Viewing:** PHSX 212: General Physics II  
**Last approved:** 12/08/16 4:30 am  
**Last edit:** 12/12/16 4:54 pm

Changes proposed by: tatekris

### Catalog Pages referencing this course
- BA in Human Biology with concentration in Anthropology
- BA in Human Biology with concentration in Applied Behavioral Science
- BA in Human Biology with concentration in Biology
- BA in Human Biology with concentration in Psychology

### Academic Career
- Undergraduate, Lawrence

### Subject Code
- **Course Number:** 212

### Academic Unit
- **Department:** Physics & Astronomy (PHSX)  
- **School/College:** College of Lib Arts & Sciences

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

### Title
- General Physics II

### Transcript Title
- General Physics II

### Effective Term
- Fall 2016

### Catalog Description
- Study of electricity and magnetism, waves and sound.

### Prerequisites
- PHSX 201, 211, PHSX 210, PHSX 211 210 or PHSX 213; MATH 126 or MATH 146. PHSX 213. Co-enrollment in MATH 127 116 or MATH 147 is strongly encouraged. 126: concurrent or prior enrollment in: MATH 126 or MATH 146.

### Cross Listed Courses:

### Credits
- **3**

### Course Type
- Lecture (Regularly scheduled academic course) (LEC)

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

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

### Is this course part of the University Honors Program?
- Yes

### 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?
- Yes

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

### Program Code - Name
This course is required for many different majors and I don't know all of them. This change should make it easier for their properly qualified students to enroll without needing a permission code.

Rationale for Course Proposal

It was discovered that the same prerequisites were posted for both PHSX 211 and PHSX 212, which is not accurate since PHSX 211 is a prereq for PHSX 212. In addition, we're including PHSX 201 as a prereq possibility to accommodate students arriving at PHSX 212 via that course.

KU Core Information

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

Yes

Name of person giving departmental approval: On file. Course approved in Fall 2013

Date of Departmental Approval: May 2013

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.

Abstract already on file. Course was approved in Fall 2013.

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.)

Details on File. Course was approved in Fall 2013.

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.)

Details on File. Course was approved in Fall 2013.

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.)

Details on File. Course was approved in Fall 2013.

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.)

Details on File. Course was approved in Fall 2013.
### Course Inventory Change Request

Date Submitted: 01/09/17 10:17 am

**Viewing:** POLS 600: Contemporary Feminist Political Theory

Also listed as: WGSS 600

Last approved: 04/05/16 4:30 am

Last edit: 01/09/17 10:17 am

Changes proposed by: bjmiller

| Catalog Pages referencing this course | College of Liberal Arts & Sciences  
Department of Women, Gender, and Sexuality Studies |
|--------------------------------------|---------------------------------|
| Programs                             | AMS-BA/BGS: American Studies, B.A./B.G.S.  
LAA-BA/BGS: Latin American Area and Caribbean Studies |

<table>
<thead>
<tr>
<th>Academic Career</th>
<th>Undergraduate, Lawrence</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subject Code</td>
<td>POLS Course Number 600</td>
</tr>
</tbody>
</table>
| Academic Unit   | Department Political Science (POLS)  
School/College College of Lib Arts & Sciences |

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

Title | Contemporary Feminist Political Theory

Transcript Title | Cntmp Feminist Political Theory

Effective Term | Spring 2017 Fall 2016

Catalog Description | A detailed introduction to feminist thought post-1960. Examines feminism in relation to the categories of political theory: liberal feminism, socialist feminism, radical feminism, and postmodern feminism. Within these categories and separately, we will also consider feminism as it is influenced by women traditionally excluded from mainstream feminist thought, namely U.S. woman of color and women of post-colonial societies. This course is a service learning course that provides students with on-site practicum, mentoring, and networking skills.

Prerequisites | Sophomore level or consent of the instructor.

Cross Listed Courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>WGSS 600</td>
<td>Contemporary Feminist Political Theory</td>
</tr>
</tbody>
</table>

Credits | 3

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

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

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 | S - Social 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

This is a request per Prof. Alesha Doan, who submitted courses to be included in the new BGS Career Preparation Course, new requirement requested in Fall 2016. This submission is to meet CUSA's request to change the language to reflect the new requirements.

Course Reviewer Comments

Rachel Schwien (rschwien) (01/10/17 2:44 pm): requested confirmation that WGSS approves of course description change

Rachel Schwien (rschwien) (01/11/17 10:42 am): WGSS (K. Batza) approves of course description change.

Key: 5895
# Course Inventory Change Request

**Date Submitted:** 01/09/17 10:22 am  
**Viewing:** **POLS 640:** Politics of Reproductive Policy  
**Also listed as:** WGSS 640  
**Last approved:** 04/05/16 4:31 am  
**Last edit:** 01/09/17 10:22 am  
**Changes proposed by:** bjmiller

| Catalog Pages referencing this course | College of Liberal Arts & Sciences  
|--------------------------------------|----------------------------------|  
|                                      | Department of Women, Gender, and Sexuality Studies  
| Programs                             | POLS-BA/BGS: Political Science, B.A./B.G.S.  
|                                      | POLS-MIN: Public Policy in the United States, Minor  

## Academic Career
- Undergraduate, Lawrence  
- **Subject Code:** POLS  
- **Course Number:** 640  
- **Academic Unit:** Political Science (POLS)  
- **School/College:** College of Lib Arts & Sciences

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

## Title
- Politics of Reproductive Policy

## Transcript Title
- Politics of Reproductive Policy

## Effective Term
- Fall 2016

## Catalog Description
![Description](https://next.catalog.ku.edu/courseleaf/courseleaf.cgi?page=/courseadmin...)

## Prerequisites
- Sophomore level or consent of the instructor.

## Cross Listed Courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>WGSS</td>
<td>Politics of Reproductive Policy</td>
</tr>
</tbody>
</table>

## Credits
- 3

## Course Type
- Lecture (Regularly scheduled academic course) (LEC)

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

## 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?
- No

## Principal Course Designator
- S - Social 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?

---

1 of 2 1/17/2017 2:36 PM
This is a request per Prof. Alesha Doan, who submitted courses to be included in the new BGS Career Preparation Course, new requirement requested in Fall 2016. This submission is to meet CUSA's request to change the language to reflect the new requirements.

Rachel Schwien (rschwien) (01/10/17 2:45 pm): requested confirmation that WGSS approves of course description change
Rachel Schwien (rschwien) (01/11/17 10:42 am): WGSS (K. Batza) approves of course description change.
Course Inventory Change Request

Course Deactivation Proposal

Date Submitted: 11/30/16 12:35 pm

Viewing: **ADSC 177 : First Year Seminar:** _____

Last edit: 11/30/16 12:35 pm

Changes proposed by: mvelasco

<table>
<thead>
<tr>
<th>Academic Career</th>
<th>Undergraduate, Lawrence</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subject Code</td>
<td>ADSC</td>
</tr>
<tr>
<td>Academic Unit</td>
<td>Department</td>
</tr>
<tr>
<td></td>
<td>Visual Art (ART)</td>
</tr>
<tr>
<td>Title</td>
<td>First Year Seminar:</td>
</tr>
<tr>
<td>Transcript Title</td>
<td>First Year Seminar:</td>
</tr>
<tr>
<td>Last Term Offered</td>
<td>Spring 2017</td>
</tr>
</tbody>
</table>

Catalog Description

A limited-enrollment, seminar course for first-time freshmen, addressing current issues in Advanced Design Studies College. Course is designed to meet the critical thinking learning outcome of the KU Core. First-Year Seminar topics are coordinated and approved by the Office of First-Year Experience.

Prerequisites

First-time freshman status.

Cross Listed Courses:

Credits 3

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

Grading Basis A-D(+/−)/FI

Is this course part of the University Honors Program? No

Are you proposing this course for KU Core? Yes

Typically Offered

Repeatable for credit? No

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

Rationale for Course Proposal

KU Core Information

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

Name of person giving departmental approval

Date of Departmental Approval

Selected Goal(s)

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

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

Provide an abstract (1000 characters maximum) that summarizes how this course meets the learning outcome.
Selected Learning Outcome(s):

Goal 1, Learning Outcome 1
State what assignments, readings, class discussion, and/or lecture topics instruct students how to analyze and evaluate assumptions, claims, evidence, arguments, and forms of expression; select and apply appropriate interpretive tools. (Please limit responses to 1000 characters).

List and discuss the assignments, projects and/or tests that will require students to form judgments about the assumptions or claims presented, analyze and synthesize information, and make evidence-based arguments to support conclusions. (Please limit responses to 1000 characters.) *

Indicate the weight of the evidence (e.g., exams, projects, assignments) that will be used to document student performance in these tasks and how this evidence will determine a supermajority (greater than or equal to 60%) of the final grade. *

Justification for this request
This course hasn't been offered in recent years and should be retired. It will not be offered in the future either, including SP17.
Course Inventory Change Request

A deleted record cannot be edited

Course Deactivation Proposal

Date Submitted: 11/30/16 12:36 pm

Viewing: ADSC 560: Topics in Design: _____

Last edit: 11/30/16 12:36 pm

Changes proposed by: mvelasco

Academic Career: Undergraduate, Lawrence

Subject Code: ADSC

Course Number: 560

Academic Unit: Department of Visual Art (ART)

School/College: School of the Arts, CLAS

Title: Topics in Design: _____

Transcript Title: Topics in Design:

Last Term Offered: Spring 2017

Catalog Description: A study of different topics in different semesters in a special area of interest to a staff member and suitable qualified students. May be repeated for credit.

Prerequisites: Junior standing in department.

Cross Listed Courses:

Credits: 1-3

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

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

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

Are you proposing this course for KU Core?: No

Typically Offered: Yes

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

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

Rationale for Course Proposal

Justification for this request: this course hasn't been offered in recent years and will not be offered in the future including SP17

Course Reviewer Comments

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

Approval Path
1. 12/14/16 1:52 pm Rachel Schwien (rschwien): Approved for ARTS Undergraduate Program and Course Coordinator
2. 01/17/17 1:57 pm Rachel Schwien (rschwien): Approved for CUSA Subcommittee

https://next.catalog.ku.edu/courseleaf/courseleaf.cgi?page=/courseadmin...
Course Inventory Change Request

Course Deactivation Proposal

Date Submitted: 11/30/16 12:37 pm

Viewing ADSC 580: Special Problems in Design

Last edit: 11/30/16 12:37 pm

Changes proposed by: mvelasco

Academic Career: Undergraduate, Lawrence
Subject Code: ADSC
Course Number: 580
Academic Unit: Department of Visual Art (ART)
School/College: School of the Arts, CLAS
Title: Special Problems in Design
Transcript Title: Special Problems in Design
Last Term Offered: Spring 2017

Catalog Description: A study of current problems in design or crafts with an emphasis on research. Special problems proposals must be discussed with and approved by the instructor and advisor prior to enrollment in the course. A student may not take more than six credit hours of special problems in any one semester.

Prerequisites: Junior standing in department.

Cross Listed Courses:

Credits: 1-6
Course Type: Independent Study (Non-research course – Examples: Private lessons, readings, independent study) (IND)
Grading Basis: A-D(+/-)/FI

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

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

Rationale for Course Proposal

Justification for this request: this course hasn’t been offered in recent years and will not be offered in the future including SP17

Course Reviewer Comments
**Course Inventory Change Request**

**Course Deactivation Proposal**

Date Submitted: 11/30/16 12:40 pm

Viewing: **CER 177: First Year Seminar: _____**

Last edit: 11/30/16 12:40 pm

Changes proposed by: mvelasco

**Academic Career**: Undergraduate, Lawrence

**Subject Code**: CER

**Course Number**: 177

**Academic Unit**: Department Visual Art (ART)

**School/College**: School of the Arts, CLAS

**Title**: First Year Seminar: _____

**Transcript Title**: First Year Seminar:

**Last Term Offered**: Spring 2017

**Catalog Description**: A limited-enrollment, seminar course for first-time freshmen, addressing current issues in Ceramics. Course is designed to meet the critical thinking learning outcome of the KU Core. First-Year Seminar topics are coordinated and approved by the Office of First-Year Experience.

**Prerequisites**: First-time freshman status.

**Cross Listed Courses**: 

**Credits**: 3

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

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

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

**Are you proposing this course for KU Core?**: Yes

**Typically Offered**

**Repeatable for credit?**: No

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

**Rationale for Course Proposal**

**KU Core Information**

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

Yes

Name of person giving departmental approval

Date of Departmental Approval

**Selected Goal(s)**

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

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

Provide an abstract (1000 characters maximum) that summarizes how this course meets the learning outcome.
Selected Learning Outcome(s):

**Goal 1, Learning Outcome 1**
State what assignments, readings, class discussion, and/or lecture topics instruct students how to analyze and evaluate assumptions, claims, evidence, arguments, and forms of expression; select and apply appropriate interpretive tools. (Please limit responses to 1000 characters).

List and discuss the assignments, projects and/or tests that will require students to form judgments about the assumptions or claims presented, analyze and synthesize information, and make evidence-based arguments to support conclusions. (Please limit responses to 1000 characters.) *

Indicate the weight of the evidence (e.g., exams, projects, assignments) that will be used to document student performance in these tasks and how this evidence will determine a supermajority (greater than or equal to 60%) of the final grade. *

---

KU Core Documents

**Justification for this request**
the course is a duplicate of ART 177 and it is not needed.

**Course Reviewer Comments**
**Course Inventory Change Request**

---

**Course Deactivation Proposal**

Date Submitted: 12/02/16 8:25 pm

**Viewing:** CLSX 317 : Greek and Roman Art

Also listed as: HA 317, HWC 317

Last edit: 12/02/16 8:25 pm

Changes proposed by: tswelch

<table>
<thead>
<tr>
<th>Catalog Pages referencing this course</th>
</tr>
</thead>
<tbody>
<tr>
<td>College of Liberal Arts &amp; Sciences</td>
</tr>
<tr>
<td>Department of History of Art</td>
</tr>
<tr>
<td>Humanities Program</td>
</tr>
</tbody>
</table>

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**Academic Career**

Undergraduate, Lawrence

**Subject Code**

CLSX 317

**Course Number**

317

**Academic Unit**

Department Classics (CLSX)

**School/College**

College of Lib Arts & Sciences

**Title**

Greek and Roman Art

**Transcript Title**

Greek and Roman Art

**Last Term Offered**

Spring 2017

**Catalog Description**

A survey of the art of ancient Greece and Rome (ca. 1000 B.C.E.- 500 C.E.). Emphasis on major sites, architecture, sculpture, and painting. Illustrated lectures and discussion; use of the Wilcox Classical Museum. No knowledge of Greek or Latin is required. Not open to students who have taken both CLSX 526/HA 526 and CLSX 527/HA 537, except with permission of the instructor.

**Prerequisites**

None

**Cross Listed Courses:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HA 317</td>
<td>Greek and Roman Art</td>
</tr>
<tr>
<td>HWC 317</td>
<td>Greek and Roman Art</td>
</tr>
</tbody>
</table>

**Credits**

3

**Course Type**

Lecture (Regularly scheduled academic course) (LEC)

**Grading Basis**

A-D(+/-)FI

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

No

**Are you proposing this course for KU Core?**

No

**Typically Offered**

No

**Repeatable for credit?**

No

**Principal Course Designator**

H - Humanities

W - World Culture

**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?**

---

A deleted record cannot be edited

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**Approval Path**

1. 12/19/16 11:30 am
   - Rachel Schwien (rschwien):
     - Approved for CLAS Undergraduate Program and Course Coordinator

2. 01/17/17 1:57 pm
   - Rachel Schwien (rschwien):
     - Approved for CUSA Subcommittee
<table>
<thead>
<tr>
<th>Rationale for Course Proposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Justification for this request</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Reviewer Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rachel Schwien (rschwien) (12/15/16 2:40 pm): requested confirmation from HA and HUM that they are also wanting to deactivate their courses.</td>
</tr>
<tr>
<td>Rachel Schwien (rschwien) (12/19/16 11:25 am): Humanities confirms that they would also like to deactivate HWC 317</td>
</tr>
<tr>
<td>Rachel Schwien (rschwien) (12/19/16 11:30 am): HA (David Cateforis) confirms that HA 317 should also be deactivated.</td>
</tr>
</tbody>
</table>
Course Inventory Change Request

Course Deactivation Proposal

Date Submitted: 12/02/16 8:26 pm

Viewing: CLSX 374: Gender and Sexuality, Ancient and Modern
Also listed as: HWC 374

Last edit: 12/02/16 8:26 pm
Changes proposed by: tswelch

Catalog Pages referencing this course
College of Liberal Arts & Sciences
Humanities Program

Academic Career
Undergraduate, Lawrence
Subject Code
CLSX
Course Number
374
Academic Unit
Department Classics (CLSX)
School/College College of Lib Arts & Sciences
Title
Gender and Sexuality, Ancient and Modern
Transcript Title
Gender&Sexuality, Ancient&Mdrn
Last Term Offered
Spring 2017

Catalog Description
Classical Greek and Roman attitudes to gender and sexuality compared and contrasted with modern notions and behaviors. Attention is paid to literature (dramatic, philosophical, medical, and legal texts) and archaeological evidence (vase painting, sculpture, and domestic architecture). The course may include the following topics: age divisions and rites of passage from childhood to maturity; marriage; conception, birth, and infanticide; the family; love; homoeroticism; property and economics; and sexuality and the law, politics, and religion. No knowledge of Greek or Latin is required.

Prerequisites
None

Cross Listed Courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HWC 374</td>
<td>Gender and Sexuality, Ancient and Modern</td>
</tr>
</tbody>
</table>

Credits
3

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

Grading Basis
A-D(+/-)FI

Is this course part of the University Honors Program?
No

Are you proposing this course for KU Core?
Yes

Typically Offered
No

Repeatable for credit?
No

Principal Course Designator

Course Designator
H - Humanities

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?

Rationale for Course Proposal
<table>
<thead>
<tr>
<th>KU Core Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Has the department approved the nomination of this course to KU Core?</td>
</tr>
<tr>
<td>Yes</td>
</tr>
<tr>
<td>Name of person giving departmental approval</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

### Selected Goal(s)

- Do all instructors of this course agree to include content that enables students to meet KU Core learning outcome(s)?
- Do all instructors of this course agree to develop and save direct evidence that students have met the learning outcomes(s)?
- Provide an abstract (1000 characters maximum) that summarizes how this course meets the learning outcome.

**Selected Learning Outcome(s):**

**Goal 4, Learning Outcome 2**

State what assignments, readings, class discussions, and lectures will devote a majority of your course or educational experience to raising student awareness of, engagement with, and analysis of various elements of other-cultural understanding of communities outside the United States. (Please limit responses to 1000 characters.)

Explain how your course or educational experience will develop the ability of students to discuss, debate, and analyze non-US cultures in relation to the students own value assumptions. (Please limit responses to 1000 characters.)

Detail how your course or educational experience will sensitize students to various cultural beliefs, behaviors, and practices through other-cultural readings and academic research on cultural competency so that students may be better prepared to negotiate cross-cultural situations. (Please limit responses to 1000 characters.)

State what assignments, readings, class discussion, and lectures will be used to evaluate students'' work that documents and measures their grasp of global cultures and value systems through reflective written or oral analysis. (Please limit responses to 1000 characters.)

### KU Core Documents

#### Justification for this request

We have not taught this course for some years. We have replaced it with a pair of 500-level courses, one on Greek and the other on Roman sexuality.

#### Course Reviewer Comments

- **Rachel Schwien (rschwien) (12/15/16 2:44 pm):** requested confirmation that Humanities would also like to deactivate. Waiting for program change for WGSS BA/BGS
- **Rachel Schwien (rschwien) (12/19/16 11:26 am):** Humanities confirms that they would also like to deactivate their course
Course Inventory Change Request

A deleted record cannot be edited

**Course Deactivation Proposal**

Date Submitted: 11/30/16 12:41 pm

Viewing: **DRWG 177 : First Year Seminar: _____**

Last edit: 11/30/16 12:41 pm

Changes proposed by: mvelasco

<table>
<thead>
<tr>
<th>Academic Career</th>
<th>Undergraduate, Lawrence</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subject Code</td>
<td>DRWG</td>
</tr>
<tr>
<td>Academic Unit</td>
<td>Department: Visual Art (ART)</td>
</tr>
<tr>
<td>School/College</td>
<td>School of the Arts, CLAS</td>
</tr>
<tr>
<td>Title</td>
<td>First Year Seminar: _____</td>
</tr>
<tr>
<td>Transcript Title</td>
<td>First Year Seminar: First Year Seminar: _____</td>
</tr>
<tr>
<td>Last Term Offered</td>
<td>Spring 2017</td>
</tr>
</tbody>
</table>

Catalog Description: A limited-enrollment, seminar course for first-time freshmen, addressing current issues in Drawing. Course is designed to meet the critical thinking learning outcome of the KU Core. First-Year Seminar topics are coordinated and approved by the Office of First-Year Experience.

Prerequisites: First-time freshman status.

Cross Listed Courses:

Credits: 3

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

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

Is this course part of the University Honors Program? No

Are you proposing this course for KU Core? Yes

Typically Offered: No

Repeatable for credit? No

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

**Rationale for Course Proposal**

**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>Date of Departmental Approval</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)?

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

Provide an abstract (1000 characters maximum) that summarizes how this course meets the learning outcome.
Selected Learning Outcome(s):

Goal 1, Learning Outcome 1
State what assignments, readings, class discussion, and/or lecture topics instruct students how to analyze and evaluate assumptions, claims, evidence, arguments, and forms of expression; select and apply appropriate interpretive tools. (Please limit responses to 1000 characters).

List and discuss the assignments, projects and/or tests that will require students to form judgments about the assumptions or claims presented, analyze and synthesize information, and make evidence-based arguments to support conclusions. (Please limit responses to 1000 characters.) *

Indicate the weight of the evidence (e.g., exams, projects, assignments) that will be used to document student performance in these tasks and how this evidence will determine a supermajority (greater than or equal to 60%) of the final grade. *

Justification for this request
this course is a duplicate of ART 177 and it is not needed.
Course Inventory Change Request

Course Deactivation Proposal

Date Submitted: 11/30/16 12:41 pm

Viewing: EXM 177: First Year Seminar: _____

Last edit: 11/30/16 12:41 pm

Changes proposed by: mvelasco

Academic Career: Undergraduate, Lawrence
Subject Code: EXM
Course Number: 177
Academic Unit: Department of Visual Art (ART)
School/College: School of the Arts, CLAS
Title: First Year Seminar: _____
Transcript Title: First Year Seminar: _____
Last Term Offered: Spring 2017

Catalog Description:
A limited-enrollment, seminar course for first-time freshmen, addressing current issues in Expanded Media. The course is designed to meet the critical thinking learning outcome of the KU Core. First-Year Seminar topics are coordinated and approved by the Office of First-Year Experience.

Prerequisites:
First-time freshman status.

Cross Listed Courses:

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

Is this course part of the University Honors Program? No

Are you proposing this course for KU Core? Yes

Typically Offered: No

Repeatable for credit? No

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

Rationale for Course Proposal

KU Core Information

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

Name of person giving departmental approval:

Date of Departmental Approval:

Selected Goal(s)

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

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

Provide an abstract (1000 characters maximum) that summarizes how this course meets the learning outcome.
Selected Learning Outcome(s):

**Goal 1, Learning Outcome 1**
State what assignments, readings, class discussion, and/or lecture topics instruct students how to analyze and evaluate assumptions, claims, evidence, arguments, and forms of expression; select and apply appropriate interpretive tools. (Please limit responses to 1000 characters).

List and discuss the assignments, projects and/or tests that will require students to form judgments about the assumptions or claims presented, analyze and synthesize information, and make evidence-based arguments to support conclusions. (Please limit responses to 1000 characters.) *

Indicate the weight of the evidence (e.g., exams, projects, assignments) that will be used to document student performance in these tasks and how this evidence will determine a supermajority (greater than or equal to 60%) of the final grade. *

### Course Reviewer Comments

course is a duplicate of ART 177 and it is not needed

### Key: 1067
Course Inventory Change Request

Course Deactivation Proposal

Date Submitted: 11/30/16 12:42 pm

Viewing: METL 177: First Year Seminar: ______

Last edit: 11/30/16 12:42 pm

Changes proposed by: mvelasco

Academic Career: Undergraduate, Lawrence
Subject Code: METL
Course Number: 177

Academic Unit: Department of Visual Art (ART)
School/College: School of the Arts, CLAS

Title: First Year Seminar:

Transcript Title: First Year Seminar:

Last Term Offered: Spring 2017

Catalog Description: A limited-enrollment, seminar course for first-time freshmen, addressing current issues in Metalsmithing/Jewelry. Course is designed to meet the critical thinking learning outcome of the KU Core. First-Year Seminar topics are coordinated and approved by the Office of First-Year Experience.

Prerequisites: First-time freshman status.

Cross Listed Courses:

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

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

Are you proposing this course for KU Core?: Yes

Typically Offered: No

Repeatable for credit?: No

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

Rationale for Course Proposal:

KU Core Information

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

Name of person giving departmental approval: 
Date of Departmental Approval: 

Selected Goal(s):

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

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

Provide an abstract (1000 characters maximum) that summarizes how this course meets the learning outcome.
Selected Learning Outcome(s):

Goal 1, Learning Outcome 1

State what assignments, readings, class discussion, and/or lecture topics instruct students how to analyze and evaluate assumptions, claims, evidence, arguments, and forms of expression; select and apply appropriate interpretive tools. (Please limit responses to 1000 characters).

List and discuss the assignments, projects and/or tests that will require students to form judgments about the assumptions or claims presented, analyze and synthesize information, and make evidence-based arguments to support conclusions. (Please limit responses to 1000 characters.) *

Indicate the weight of the evidence (e.g., exams, projects, assignments) that will be used to document student performance in these tasks and how this evidence will determine a supermajority (greater than or equal to 60%) of the final grade. *

Justification for this request: The course is a duplication of ART 177 and it is not needed.
Course Inventory Change Request

Course Deactivation Proposal

Date Submitted: 11/30/16 12:43 pm

Viewing: PNTG 177 : First Year Seminar: _____

Last edit: 11/30/16 12:43 pm

Changes proposed by: mvelasco

Academic Career: Undergraduate, Lawrence
Subject Code: PNTG
Course Number: 177
Academic Unit: Department of Visual Art (ART)
School/College: School of the Arts, CLAS
Title: First Year Seminar: ______
Transcript Title: First Year Seminar:
Last Term Offered: Spring 2017

Catalog Description:
A limited-enrollment, seminar course for first-time freshmen, addressing current issues in Painting. Course is designed to meet the critical thinking learning outcome of the KU Core. First-Year Seminar topics are coordinated and approved by the Office of First-Year Experience.

Prerequisites:
First-time freshman status.

Cross Listed:

Courses:

Credits: 3
Course Type: Lecture (Regularly scheduled academic course) (LEC)
Grading Basis: A-D(+/-)FI
Is this course part of the University Honors Program?: No
Are you proposing this course for KU Core?: Yes
Typically Offered:
Repeatable for credit?: No

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

Rationale for Course Proposal:

KU Core Information

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

Name of person giving departmental approval
Date of Departmental Approval

Selected Goal(s):

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

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

Provide an abstract (1000 characters maximum) that summarizes how this course meets the learning outcome.
Selected Learning Outcome(s):

**Goal 1, Learning Outcome 1**
State what assignments, readings, class discussion, and/or lecture topics instruct students how to analyze and evaluate assumptions, claims, evidence, arguments, and forms of expression; select and apply appropriate interpretive tools. (Please limit responses to 1000 characters).

List and discuss the assignments, projects and/or tests that will require students to form judgments about the assumptions or claims presented, analyze and synthesize information, and make evidence-based arguments to support conclusions. (Please limit responses to 1000 characters.) *

Indicate the weight of the evidence (e.g., exams, projects, assignments) that will be used to document student performance in these tasks and how this evidence will determine a supermajority (greater than or equal to 60%) of the final grade. *

KU Core Documents

Justification for this request
course is a duplication of ART 177 and it is not needed

Course Reviewer Comments
## Course Inventory Change Request

A deleted record cannot be edited

### Course Deactivation Proposal

Date Submitted: 11/30/16 12:43 pm

**Viewing:** PRNT 177 : First Year Seminar: ______

Last edit: 11/30/16 12:43 pm

Changes proposed by: mvelasco

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<td>Course Number</td>
<td>177</td>
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<td>Visual Art (ART)</td>
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<td>School of the Arts, CLAS</td>
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<td>Transcript Title</td>
<td>First Year Seminar: 177</td>
</tr>
<tr>
<td>Last Term Offered</td>
<td>Spring 2017</td>
</tr>
</tbody>
</table>

**Catalog Description**: A limited-enrollment, seminar course for first-time freshmen, addressing current issues in Printmaking. Course is designed to meet the critical thinking learning outcome of the KU Core. First-Year Seminar topics are coordinated and approved by the Office of First-Year Experience.

**Prerequisites**: First-time freshman status.

**Cross Listed Courses**:

<table>
<thead>
<tr>
<th>Credits</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course Type</td>
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</tr>
<tr>
<td>Grading Basis</td>
<td>A-D(+/-)/FI</td>
</tr>
</tbody>
</table>

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

**Are you proposing this course for KU Core?** Yes

**Typically Offered**

| Repeatable for credit? | No |

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

### Rationale for Course Proposal

**KU Core Information**

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

- **Name of person giving departmental approval**: [Provide name]
- **Date of Departmental Approval**: [Provide date]

**Selected Goal(s)**

- Do all instructors of this course agree to include content that enables students to meet KU Core learning outcome(s)?
- Do all instructors of this course agree to develop and save direct evidence that students have met the learning outcomes(s)?
- Provide an abstract (1000 characters maximum) that summarizes how this course meets the learning outcome.
Selected Learning Outcome(s):

**Goal 1, Learning Outcome 1**
State what assignments, readings, class discussion, and/or lecture topics instruct students how to analyze and evaluate assumptions, claims, evidence, arguments, and forms of expression; select and apply appropriate interpretive tools. (Please limit responses to 1000 characters).

List and discuss the assignments, projects and/or tests that will require students to form judgments about the assumptions or claims presented, analyze and synthesize information, and make evidence-based arguments to support conclusions. (Please limit responses to 1000 characters.) *

Indicate the weight of the evidence (e.g., exams, projects, assignments) that will be used to document student performance in these tasks and how this evidence will determine a supermajority (greater than or equal to 60%) of the final grade. *

course is a duplication of ART 177 and it is not needed.

**Justification for this request**
Course Inventory Change Request

Course Deactivation Proposal

Date Submitted: 11/30/16 12:44 pm

Viewing: SCUL 177: First Year Seminar: ______

Last edit: 11/30/16 12:44 pm

Changes proposed by: mvelasco

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<td>Subject Code</td>
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<table>
<thead>
<tr>
<th>Academic Unit</th>
<th>Department Visual Art (ART)</th>
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<tbody>
<tr>
<td>School/College</td>
<td>School of the Arts, CLAS</td>
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<table>
<thead>
<tr>
<th>Title</th>
<th>First Year Seminar: ______</th>
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<tbody>
<tr>
<td>Transcript Title</td>
<td>First Year Seminar: ______</td>
</tr>
<tr>
<td>Last Term Offered</td>
<td>Spring 2017</td>
</tr>
</tbody>
</table>

Catalog Description
A limited-enrollment, seminar course for first-time freshmen, addressing current issues in Sculpture. Course is designed to meet the critical thinking learning outcome of the KU Core. First-Year Seminar topics are coordinated and approved by the Office of First-Year Experience.

Prerequisites
First-time freshman status.

Cross Listed Courses:

<table>
<thead>
<tr>
<th>Credits</th>
<th>3</th>
</tr>
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</table>

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

Grading Basis
A-D(+/-)FI

Is this course part of the University Honors Program? No

Are you proposing this course for KU Core? Yes

Typically Offered

Repeatable for credit? No

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

Rationale for Course Proposal

KU Core Information

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

Yes

Name of person giving departmental approval

Date of Departmental Approval

Selected Goal(s)

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

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

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

**Justification for this request**

The course is a duplication of ART 177 and is not needed.

**Course Reviewer Comments**

1. **Selected Learning Outcome(s):**

   **Goal 1, Learning Outcome 1**

   State what assignments, readings, class discussion, and/or lecture topics instruct students how to analyze and evaluate assumptions, claims, evidence, arguments, and forms of expression; select and apply appropriate interpretive tools. (Please limit responses to 1000 characters.)

   List and discuss the assignments, projects and/or tests that will require students to form judgments about the assumptions or claims presented, analyze and synthesize information, and make evidence-based arguments to support conclusions. (Please limit responses to 1000 characters.) *

   Indicate the weight of the evidence (e.g., exams, projects, assignments) that will be used to document student performance in these tasks and how this evidence will determine a supermajority (greater than or equal to 60%) of the final grade. *
Course Inventory Change Request

A deleted record cannot be edited

Course Deactivation Proposal

Date Submitted: 11/30/16 12:45 pm

Viewing: TD 177: First Year Seminar: ______

Last edit: 11/30/16 12:45 pm

Changes proposed by: mvelasco

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<td>School of the Arts, CLAS</td>
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<td>First Year Seminar:</td>
</tr>
<tr>
<td>Last Term Offered</td>
<td>Spring 2017</td>
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</table>

Catalog Description: A limited-enrollment, seminar course for first-time freshmen, addressing current issues in Textile Design. Course is designed to meet the critical thinking learning outcome of the KU Core. First-Year Seminar topics are coordinated and approved by the Office of First-Year Experience.

Prerequisites: First-time freshman status.

Cross Listed Courses:

Credits: 3

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

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

Is this course part of the University Honors Program? No

Are you proposing this course for KU Core? Yes

Typically Offered: No

Repeatable for credit? No

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

Rationale for Course Proposal

KU Core Information

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

Name of person giving departmental approval

Date of Departmental Approval

Selected Goal(s)

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

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

Provide an abstract (1000 characters maximum) that summarizes how this course meets the learning outcome.
Selected Learning Outcome(s):

Goal 1, Learning Outcome 1
State what assignments, readings, class discussion, and/or lecture topics instruct students how to analyze and evaluate assumptions, claims, evidence, arguments, and forms of expression; select and apply appropriate interpretive tools. (Please limit responses to 1000 characters).

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Indicate the weight of the evidence (e.g., exams, projects, assignments) that will be used to document student performance in these tasks and how this evidence will determine a supermajority (greater than or equal to 60%) of the final grade. *

KU Core Documents

Justification for this request
course is a duplication of ART 177 and is not needed

Course Reviewer Comments
## Course Inventory Change Request

### Course Deactivation Proposal

**Date Submitted:** 11/30/16 12:46 pm  

**Viewing:** VAE 177: First Year Seminar: ______

**Last edit:** 11/30/16 12:46 pm  

Changes proposed by: mvelasco

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<td>Visual Art (ART)</td>
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<td>School/College</td>
<td>School of the Arts, CLAS</td>
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<td>Title</td>
<td>First Year Seminar:</td>
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<td>First Year Seminar:</td>
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<td>Last Term Offered</td>
<td>Spring 2017</td>
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**Catalog Description:** A limited-enrollment, seminar course for first-time freshmen, addressing current issues in Visual Art Education. Course is designed to meet the critical thinking learning outcome of the KU Core. First-Year Seminar topics are coordinated and approved by the Office of First-Year Experience.

**Prerequisites:** First-time freshman status.

**Cross Listed Courses:**

**Credits:** 3

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

**Grading Basis:** A-D(+/−)/FI

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

**Are you proposing this course for KU Core?** Yes

**Typically Offered**

**Repeatable for credit?** No

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

**Rationale for Course Proposal**

**KU Core Information**

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

**Name of person giving departmental approval**

**Date of Departmental Approval**

**Selected Goal(s)**

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

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

**Provide an abstract (1000 characters maximum) that summarizes how this course meets the learning outcome.**
Selected Learning Outcome(s):

**Goal 1, Learning Outcome 1**

State what assignments, readings, class discussion, and/or lecture topics instruct students how to analyze and evaluate assumptions, claims, evidence, arguments, and forms of expression; select and apply appropriate interpretive tools. (Please limit responses to 1000 characters).

List and discuss the assignments, projects and/or tests that will require students to form judgments about the assumptions or claims presented, analyze and synthesize information, and make evidence-based arguments to support conclusions. (Please limit responses to 1000 characters.)

Indicate the weight of the evidence (e.g., exams, projects, assignments) that will be used to document student performance in these tasks and how this evidence will determine a supermajority (greater than or equal to 60%) of the final grade.

---

**KU Core Documents**

**Justification for this request**

course is a duplication of ART 177 and is not needed

**Course Reviewer Comments**
Program Change Request

Date Submitted: 12/01/16 12:25 am

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

Last approved: 02/21/16 3:16 pm

Last edit: 12/01/16 12:25 am

Changes proposed by: weghorst

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<td>School/College</td>
<td>College of Lib Arts &amp; Sciences</td>
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<td>School(s)/College(s)</td>
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<td>Do you intend to offer a track(s)?</td>
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<tr>
<td>Do you intend for this program to be offered online?</td>
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<tr>
<td>Effective Catalog</td>
<td>2017 - 2018</td>
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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](https://next.catalog.ku.edu/courseleaf/courseleaf.cgi?page=/programadm...). 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, and more.
**Requirements for the B.S. Degree in Biochemistry**

**General Education Requirements**

In addition to degree and major requirements, all students must complete the KU Core.

General Science Requirements (37-38)

Majors must complete the following general science requirements that serve as foundational courses for this major.

**Biology Orientation Seminar. Satisfied by:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>BIOL 105</td>
<td>Biology Orientation Seminar</td>
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**Chemistry I. Satisfied by one of the following:**

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<tr>
<td>CHEM 170</td>
<td>Chemistry for the Chemical Sciences I</td>
</tr>
<tr>
<td>CHEM 130</td>
<td>General Chemistry I</td>
</tr>
<tr>
<td>CHEM 190</td>
<td>Foundations of Chemistry I, Honors</td>
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**Chemistry II. Satisfied by one of the following:**

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<td>CHEM 175</td>
<td>Chemistry for the Chemical Sciences II</td>
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<tr>
<td>CHEM 135</td>
<td>General Chemistry II</td>
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<tr>
<td>CHEM 195</td>
<td>Foundations of Chemistry II, Honors</td>
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**Organic Chemistry I. Satisfied by one of the following:**

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<tbody>
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<td>CHEM 330</td>
<td>Organic Chemistry I</td>
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<tr>
<td>CHEM 380</td>
<td>Organic Chemistry I, Honors</td>
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**Organic Chemistry I Laboratory. Satisfied by:**

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<td>CHEM 331</td>
<td>Organic Chemistry I Laboratory</td>
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**Organic Chemistry II. Satisfied by one of the following:**

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<td>CHEM 335</td>
<td>Organic Chemistry II</td>
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<td>CHEM 385</td>
<td>Organic Chemistry II, Honors</td>
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**Organic Chemistry II Laboratory. Satisfied by:**

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<td>CHEM 336</td>
<td>Organic Chemistry II Laboratory</td>
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**Calculus I & II. Satisfied by:**

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<tbody>
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<td>MATH 125</td>
<td>Calculus I</td>
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<tr>
<td>&amp; MATH 126</td>
<td>and Calculus II</td>
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**Physics. Satisfied by one of the following options:**

- **Option 1: General Physics I & II**
  
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<td>General Physics I &amp; General Physics I Laboratory</td>
</tr>
<tr>
<td>PHSX 212 &amp; PHSX 236</td>
<td>General Physics II &amp; General Physics II Laboratory</td>
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- **Option 2: College Physics I & II**
  
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<th>Title</th>
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<tbody>
<tr>
<td>PHSX 114 &amp; PHSX 115</td>
<td>College Physics I &amp; College Physics II</td>
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**Biochemistry Course Requirements (35)**

Satisfied by completing 34 hours from courses below.

**Principles of Molecular and Cellular Biology. Satisfied by one of the following:**

<table>
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<th>Title</th>
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</thead>
<tbody>
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<td>BIOL 150</td>
<td>Principles of Molecular and Cellular Biology</td>
</tr>
<tr>
<td>BIOL 151</td>
<td>Principles of Molecular and Cellular Biology, Honors</td>
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</table>

**Principles of Organismal Biology. Satisfied by one of the following:**

<table>
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<th>Title</th>
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<tbody>
<tr>
<td>BIOL 152</td>
<td>Principles of Organismal Biology</td>
</tr>
<tr>
<td>BIOL 153</td>
<td>Principles of Organismal Biology, Honors</td>
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**Principles of Genetics. Satisfied by one of the following:**

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<tbody>
<tr>
<td>BIOL 350</td>
<td>Principles of Genetics</td>
</tr>
<tr>
<td>BIOL 360</td>
<td>Principles of Genetics, Honors</td>
</tr>
</tbody>
</table>

**Cell Structure and Function. Satisfied by:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 416</td>
<td>Cell Structure and Function</td>
</tr>
</tbody>
</table>

**Biochemistry I. Satisfied by:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 636</td>
<td>Biochemistry I</td>
</tr>
</tbody>
</table>

**Introductory Biochemistry Laboratory. Satisfied by:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 637</td>
<td>Introductory Biochemistry Laboratory</td>
</tr>
</tbody>
</table>

**Biochemistry II. Satisfied by:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 638</td>
<td>Biochemistry II</td>
</tr>
</tbody>
</table>

**Advanced Biochemistry Laboratory. Satisfied by:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 639</td>
<td>Advanced Biochemistry Laboratory</td>
</tr>
</tbody>
</table>

**Senior Seminar in Biochemistry. Satisfied by:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 599</td>
<td>Senior Seminar: _____ (Must be taken in senior year)</td>
</tr>
</tbody>
</table>
Rationale for proposal
These edits are for the purposes of the 2017-18 course catalog. The number of major hours within the requirements section needed to be updated following the increase in credit hours for BIOL 636.

Additional Information
These changes were approved by CUSA 9/22/15 and by CAC 10/20/15. We are submitting these 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 47, up from 46).

Supporting Documents
Program Comments

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.

Biochemistry Required Electives (12)

Satisfied by completing 12 hours of BIOL courses numbered 400 or higher, which must be selected in consultation with a Biochemistry advisor. No more than 3 hours of BIOL 423 Non-Lab Independent Study and/or BIOL 424 Independent Study (combined) can be applied towards the elective requirement.
Program Change Request

Date Submitted: 11/30/16 10:30 pm

Viewing: **BIOL-BS : Biology, B.S.**

Last approved: 11/22/16 8:45 am

Last edit: 12/15/16 2:57 pm

Changes proposed by: weghorst

Catalog Pages

Using this Program

**Bachelor of Science in Biology**

<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 (BIOL)</td>
</tr>
<tr>
<td>School/College</td>
<td>College of Lib Arts &amp; Sciences</td>
</tr>
<tr>
<td>Degree Code</td>
<td>Bachelor of Science - BS</td>
</tr>
</tbody>
</table>

Consulting

School(s)/College(s)

Consulting Department(s)

CIP Code 260101

Program Name Biology, B.S.

Do you intend to offer a track(s)?

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

Effective Catalog 2017 - 2018

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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.S. Degree in Biology**

---

**General Education Requirements**
In addition to degree and major requirements for all plans and subplans, all students must complete the KU Core.

### Ecology, Evolution, and Organismal Biology

#### General Science Requirements (29-32)

Majors must complete the following general science requirements that serve as foundational courses for this major.

**Biology Orientation Seminar. Satisfied by:**
- **BIOL 105 Biology Orientation Seminar**

**Chemistry I. Satisfied by one of the following:**
- **CHEM 130 General Chemistry I**
- **CHEM 190 Foundations of Chemistry I, Honors**

**Chemistry II. Satisfied by one of the following:**
- **CHEM 135 General Chemistry II**
- **CHEM 195 Foundations of Chemistry II, Honors**

**Organic Chemistry I. Satisfied by one of the following:**
- **CHEM 310 Fundamentals of Organic Chemistry**
- **CHEM 330 Organic Chemistry I**
- **CHEM 380 Organic Chemistry I, Honors**

**Introductory Biochemistry. Satisfied by:**
- **BIOL 600 Introductory Biochemistry, Lectures**

**Calculus. Satisfied by one of the following:**
- **MATH 115, MATH 116 Calculus I and Calculus II**
- **MATH 125 Calculus I, Honors**
- **MATH 145 Calculus I, Honors**

**Physics I. Satisfied by one of the following:**
- **PHSX 114 College Physics I**
- **PHSX 211 & PHSX 216 General Physics I and General Physics I Laboratory**
- **PHSX 213 General Physics I Honors**

**Physics II. Satisfied by one of the following:**
- **PHSX 115 College Physics II**
- **PHSX 212 & PHSX 236 General Physics II and General Physics II Laboratory**
- **PHSX 214 General Physics II Honors**

**Ecology, Evolution, and Organismal Biology Requirements (30)**

Satisfied by completing 30 hours from courses below. These additional science courses are included in the Ecology, Evolution, and Organismal Biology major hours and GPA calculations.

**Principles of Molecular & Cellular Biology. Satisfied by one of the following:**
- **BIOL 150 Principles of Molecular and Cellular Biology**
- **BIOL 151 Principles of Molecular and Cellular Biology, Honors**

**Principles of Organismal Biology. Satisfied by one of the following:**
- **BIOL 152 Principles of Organismal Biology**
- **BIOL 153 Principles of Organismal Biology, Honors**

**Principles of Genetics. Satisfied by one of the following:**
- **BIOL 350 Principles of Genetics**
- **BIOL 360 Principles of Genetics, Honors**

**Physiology of Organisms. Satisfied by:**
- **BIOL 408 Physiology of Organisms**

**Evolutionary Biology. Satisfied by:**
- **BIOL 412 Evolutionary Biology**

**Principles of Ecology. Satisfied by one of the following:**
- **BIOL 414 Principles of Ecology**
- **BIOL 514 Principles of Ecology, Honors**

**History & Diversity of Organisms / Systematics. Satisfied by one of the following:**
- **BIOL 413 History and Diversity of Organisms**
- **BIOL 428 Introduction to Systematics**

**Introduction to Biostatistics. Satisfied by:**
- **BIOL 570 Introduction to Biostatistics**

**Senior Seminar in EEOB. Satisfied by:**
- **BIOL 599 Senior Seminar: _____ (in EEOB. Must be taken in senior year.)**

Ecology, Evolution, and Organismal Biology Required Electives, Laboratory, and Seminar (18)

Satisfied by completing 18 hours of BIOL courses numbered 400 or higher, including at least 4 hrs of lab credit and 2 hrs of seminar/topics course (BIOL 419, BIOL 420, BIOL 499, BIOL 701). No more than 5 hrs of BIOL 423 (Non-Lab Independent Study) and/or BIOL 424 (Independent Study) can be applied to the elective requirement, with no more than 2 hrs of BIOL 424 being applied to the laboratory requirement. The Undergraduate Biology Program must approve exceptions to these elective requirements.
Laboratory. Satisfied by completing at least 4 hrs of laboratory courses. No more than 2 hrs of BIOL 424 can count toward lab requirement.  
Seminar. Satisfied by completing at least 2 hours of the following seminar or topics course:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 419</td>
<td>Topics: _____</td>
</tr>
<tr>
<td>BIOL 420</td>
<td>Seminar: _____</td>
</tr>
<tr>
<td>BIOL 499</td>
<td>Introduction to Honors Research</td>
</tr>
<tr>
<td>BIOL 701</td>
<td>Topics: _____</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 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 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.

**Molecular, Cellular, and Developmental Biology**

**General Science Requirements (34-38)**
Majors must complete the following general science requirements that serve as foundational courses for this major.

**Biology Orientation Seminar.** Satisfied by:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 105</td>
<td>Biology Orientation Seminar</td>
</tr>
</tbody>
</table>

Chemistry I. Satisfied by one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 130</td>
<td>General Chemistry I</td>
</tr>
<tr>
<td>CHEM 190</td>
<td>Foundations of Chemistry I, Honors</td>
</tr>
</tbody>
</table>

Chemistry II. Satisfied by one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 135</td>
<td>General Chemistry II</td>
</tr>
<tr>
<td>CHEM 195</td>
<td>Foundations of Chemistry II, Honors</td>
</tr>
</tbody>
</table>

Organic Chemistry I. Satisfied by one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 330</td>
<td>Organic Chemistry I</td>
</tr>
<tr>
<td>CHEM 380</td>
<td>Organic Chemistry I, Honors</td>
</tr>
</tbody>
</table>

Organic Chemistry I Laboratory. Satisfied by:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 331</td>
<td>Organic Chemistry I Laboratory</td>
</tr>
</tbody>
</table>

Organic Chemistry II. Satisfied by one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 335</td>
<td>Organic Chemistry II</td>
</tr>
<tr>
<td>CHEM 385</td>
<td>Organic Chemistry II, Honors</td>
</tr>
</tbody>
</table>

Calculus. Satisfied by one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 115</td>
<td>Calculus I</td>
</tr>
<tr>
<td>MATH 116</td>
<td>Calculus II</td>
</tr>
<tr>
<td>MATH 126</td>
<td>Calculus I</td>
</tr>
<tr>
<td>MATH 145</td>
<td>Calculus I, Honors</td>
</tr>
</tbody>
</table>

Statistics. Satisfied by one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 570</td>
<td>Introduction to Biostatistics</td>
</tr>
<tr>
<td>MATH 365</td>
<td>Elementary Statistics</td>
</tr>
<tr>
<td>PSYC 210</td>
<td>Statistics in Psychological Research</td>
</tr>
</tbody>
</table>

Physics I. Satisfied by one of the following:

<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>PHSX 211</td>
<td>General Physics I</td>
</tr>
<tr>
<td>PHSX 212</td>
<td>General Physics II</td>
</tr>
<tr>
<td>PHSX 213</td>
<td>General Physics I Laboratory</td>
</tr>
<tr>
<td>PHSX 214</td>
<td>General Physics II Laboratory</td>
</tr>
</tbody>
</table>

Physics II. Satisfied by one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHSX 115</td>
<td>College Physics II</td>
</tr>
<tr>
<td>PHSX 212</td>
<td>General Physics II</td>
</tr>
<tr>
<td>PHSX 213</td>
<td>General Physics II Laboratory</td>
</tr>
<tr>
<td>PHSX 214</td>
<td>General Physics II Honors</td>
</tr>
</tbody>
</table>

Molecular, Cellular, and Developmental Biology Requirements (34-35)
Satisfied by completing courses below. These additional science courses are included in the MCDB major hours and GPA calculations.

**Principles of Molecular & Cellular Biology.** Satisfied by one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 150</td>
<td>Principles of Molecular and Cellular Biology</td>
</tr>
<tr>
<td>BIOL 151</td>
<td>Principles of Molecular and Cellular Biology, Honors</td>
</tr>
</tbody>
</table>

**Principles of Organismal Biology.** Satisfied by one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 152</td>
<td>Principles of Organismal Biology</td>
</tr>
</tbody>
</table>
BIOL 153 Principles of Organismal Biology, Honors

Principles of Genetics. Satisfied by one of the following:

BIOL 350 Principles of Genetics
BIOL 360 Principles of Genetics, Honors

Evolutionary Biology. Satisfied by:

BIOL 412 Evolutionary Biology

Laboratory in Genetics / Cell Biology. Satisfied by one of the following:

BIOL 405 Laboratory in Genetics
BIOL 426 Laboratory in Cell Biology

Cell Structure and Function. Satisfied by:

BIOL 416 Cell Structure and Function
BIOL 536 Cell Structure and Function (Honors)

Biology of Development. Satisfied by:

BIOL 417 Biology of Development

Introduction to Neurobiology. Satisfied by:

BIOL 435 Introduction to Neurobiology

Senior Seminar in MCDB. Satisfied by:

BIOL 599 Senior Seminar: _____ (in MCDB. Must be taken in senior year.)

Introductory Biochemistry. Satisfied by:

BIOL 600 Introductory Biochemistry, Lectures

Advanced Neurobiology / Gene Expression / Molec. Biology Cancer. Satisfied by one of the following:

BIOL 650 Advanced Neurobiology
BIOL 672 Gene Expression
BIOL 688 The Molecular Biology of Cancer

Molecular, Cellular, and Developmental Biology Required Electives (12)

Satisfied by 12 hrs of any BIOL courses numbered 400 or higher; no more than 3 hrs of BIOL 423 Non-Lab Independent Study and/or BIOL 424 Independent Study (combined) can be used to fulfill the elective requirement.

**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 46-47 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.

These edits are only for the purposes of the course catalog. BIOL 570 increased from 3 to 4 credit hours, and the appropriate sections were updated. Several other edits were made to standardize the format of course requirements.
Program Change Request

Date Submitted: 01/03/17 10:11 am

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

Last approved: 12/27/16 1:56 pm

Changes proposed by: dgarens

Catalog Pages
Using this Program

A. Bachelor of Arts in Chemistry

Academic Career: Undergraduate, Lawrence

Program Type: Degree/Major

Department/Program: Chemistry (CHEM)

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: 2017 - 2018

Program Change Request

Date Submitted: 01/03/17 10:11 am

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

Last approved: 12/27/16 1:56 pm

Changes proposed by: dgarens

Catalog Pages
Using this Program

A. Bachelor of Arts in Chemistry

Academic Career: Undergraduate, Lawrence

Program Type: Degree/Major

Department/Program: Chemistry (CHEM)

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: 2017 - 2018

Approval Path

A. 01/06/17 11:52 am
   Rachel Schwien (rschwien): Approved for CLAS Undergraduate Program and Course Coordinator

B. 01/17/17 1:58 pm
   Rachel Schwien (rschwien): Approved for CUSA Subcommittee

C. Future Academic Catalog

History

A. Feb 13, 2016 by Deanne Arensberg (dgarens)
B. Sep 2, 2016 by Deanne Arensberg (dgarens)
C. Dec 27, 2016 by Krzysztof Kuczera (kkuczera)
Chemistry Programs

The B.A. degree is for the student who wants to understand the fundamental principles of chemistry and to study a number of other fields. The B.S. degree prepares students for graduate school and professional careers. Both are based on a high school background that includes at least 1½ years of algebra and 1 year of geometry. High school courses in chemistry and physics are desirable but are not required. Many chemistry majors are preparing for medical school or for graduate study in chemistry and related fields. For graduate school, the common body of knowledge in the B.A. program is the minimum prerequisite. For premedical students, much of the knowledge will be important in their careers. Even more important, however, is the training in logical thinking, drawing conclusions from experimental observations, and digesting and understanding scientific information.

First- and Second-Year Preparation

Because study in chemistry requires preparation in mathematics and physics as well as a structured series of courses in chemistry, students should begin meeting major requirements in the first year. Students planning to major in chemistry should consult a chemistry department major advisor during their first semester to develop a 4-year plan for degree completion. It is particularly important to take CHEM 170 (or CHEM 130 or CHEM 190) and CHEM 175 (or CHEM 135 or CHEM 195) in the first year and CHEM 330 (or CHEM 380) and CHEM 331 in the second year. For those seeking a B.A. degree, it is also important to complete two semesters of calculus and two semesters of physics during the first two years. Minimum requirements in these subject areas for the B.A. degree are MATH 115, MATH 116, PHSX 114, PHSX 115.

Requirements for the B.A. Major

In addition to the common College requirements for the B.A., a minimum of 29 hours in chemistry (including 5 hours each of analytical, organic, and physical chemistry lecture and laboratory) and one year each of calculus and physics (prerequisites for physical chemistry) are required. These courses fulfill the requirements:

Chemistry Courses (35)

Select one of the following: 5
- CHEM 170 Chemistry for the Chemical Sciences I
- CHEM 130 General Chemistry I
- CHEM 190 Foundations of Chemistry I, Honors

Select one of the following: 5
- CHEM 175 Chemistry for the Chemical Sciences II
- CHEM 135 General Chemistry II
- CHEM 195 Foundations of Chemistry II, Honors
- CHEM 180 Seminar I 0.5
- CHEM 201 Laboratory Safety in the Chemical Sciences 1

Select one of the following: 3
- CHEM 330 Organic Chemistry I
- CHEM 331 Organic Chemistry I Laboratory
- CHEM 335 Organic Chemistry II
- CHEM 336 Organic Chemistry II Laboratory

Select one of the following: (CHEM 520 recommended) 5
- CHEM 520 Biological Physical Chemistry with Laboratory
- CHEM 530 Physical Chemistry I
- CHEM 535 and Physical Chemistry II
- CHEM 537 and Physical Chemistry Laboratory
- CHEM 620 Analytical Chemistry 3
- CHEM 621 Analytical Chemistry Laboratory 2
- CHEM 695 Seminar II 0.5

Select one of the following: (Fulfills KU Core Goal 6) 3
- CHEM 636 Instrumental Methods of Analysis Laboratory
- CHEM 698 Undergraduate Research Problems
- CHEM 699 Undergraduate Honors Research

Mathematics and Physics (14-20)

Mathematics: (choose one of the following (MATH 115 & MATH 116 recommended)) 14-20
- MATH 115 Calculus I
- MATH 116 Calculus II
- MATH 125 Calculus I
- MATH 126 Calculus II
- MATH 127 Calculus III

Physics: (Choose one of the following (PHSX 114 & PHSX 115 recommended))
- PHSX 114 College Physics I
- PHSX 115 College Physics II
Courses that fulfill KU Core Goal 6 are CHEM 636 Instrumental Methods of Analysis Laboratory or 3 credits of CHEM 698 or CHEM 699. Students choosing CHEM 636 will be required to take CHEM 635 as the pre or co-requisite.

### Biological Chemistry Option

This option is available to students interested in the biological applications of chemistry. The curriculum is compatible with many pre-health-professions programs and prepares the student for graduate study or career opportunities.

In addition to all of the requirements for the regular B.A. major, the following courses are required:

- **CHEM 636** Biochemistry I (4 credits)
- **CHEM 698** Instrumental Methods of Analysis Laboratory (3 credits)
- **CHEM 699** Instrumental Methods of Analysis Laboratory (3 credits)

Students choosing **CHEM 636** will be required to take **CHEM 635** as the pre or co-requisite.

### Major Hours & Major GPA

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

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

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

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

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Rationale for proposal: update of hours required for Mathematics and Physics courses (formatting change to reflect correct number of hours)

Additional Information

Supporting Documents

Program

Reviewer

Comments

Key: 105

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PHSX 211 General Physics I

& PHSX 216 and General Physics I Laboratory

& PHSX 212 and General Physics II

& PHSX 236 and General Physics II Laboratory

**Biology Option Group**

- **BIOL 350** Principles of Genetics (3 credits)
- **BIOL 400** Fundamentals of Microbiology (3 credits)
- **BIOL 416** Cell Structure and Function (3 credits)

**Biology Option Group**

- **BIOL 636** Biochemistry I (4 credits)
- **BIOL 638** Biochemistry II (3 credits)
- **Plus 1 elective (3)** (In consultation with a faculty major advisor, choose 1 course from those listed in the Biology Option Group in requirements for the B.S. degree in Chemistry: Biological Chemistry option.)

- **3 Biology Option Group**
  - **BIOL 350** Principles of Genetics
  - **BIOL 400** Fundamentals of Microbiology
  - **BIOL 416** Cell Structure and Function

**Biological Chemistry Option**

- **CHEM 636** Biochemistry I
- **CHEM 698** Instrumental Methods of Analysis Laboratory
- **CHEM 699** Instrumental Methods of Analysis Laboratory

**General Physics I and General Physics I Laboratory**

**General Physics II and General Physics II Laboratory**

**Courses that fulfill KU Core Goal 6 are CHEM 636 Instrumental Methods of Analysis Laboratory or 3 credits of CHEM 698 or CHEM 699. Students choosing CHEM 636 will be required to take CHEM 635 as the pre or co-requisite.**
Program Change Request

Date Submitted: 12/02/16 9:25 pm


Last approved: 03/15/16 3:19 pm
Last edit: 12/15/16 2:45 pm
Changes proposed by: tswelch

Catalog Pages Using this Program

Bachelor of Arts and Bachelor of General Studies in Classical Antiquity

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. 12/28/16 9:23 am Rachel Schwien (rschwien): Approved for CLAS Undergraduate Program and Course Coordinator
B. 01/17/17 1:58 pm Rachel Schwien (rschwien): Approved for CUSA Subcommittee

History
A. Mar 15, 2016 by Kim O'Bryon (kobryon)

Academic Career
Undergraduate, Lawrence

Program Type
Degree/Major

Department/Program
Classics (CLSX)

School/College
College of Lib Arts & Sciences

Degree Code
Bachelor of Arts - BA

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

Consulting Department(s)
Classics

CIP Code
302201

Program Name
Classical Antiquity, B.A./B.G.S.

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

Please name the track(s)
Classical Archaeology, Classical Humanities

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

Effective Catalog
2017 - 2018

Program Description
The Classical Antiquity major provides inclusive, interdisciplinary training in ancient Greek and Roman cultures and prepares you for graduate study in ancient archaeology, art, or history.

Degree Requirements

Classics Majors

The Department of Classics offers 2 majors. Both provide students of diverse career goals a broad humane education and afford a solid foundation for those who wish to pursue graduate work in classics. The Classical Antiquity major provides inclusive, interdisciplinary training in ancient Greek and Roman cultures and prepares you for graduate study in ancient archaeology, art, or history. The Classical Languages major trains you to read the great authors of classical antiquity (e.g., Homer, Plato, Vergil, Sappho, Saint Augustine) in the original language and prepares you for graduate study in classics and for teaching in some private schools.

You might also combine your classical language interest with a degree in the School of Education. A degree in education with a Latin major allows you to teach Latin in public high schools.
First- and Second-Year Preparation

Potential classics majors should keep in mind that proficiency in Greek or Latin is required for either major; they need to enroll in GRK 104 or LAT 104 or their equivalents as early as possible. For students with no former training, proficiency takes 4 semesters; Classical Languages majors need additional language courses. Other courses to consider taking during the first or second year include CLSX 148, CLSX 151, CLSX 168, CLSX 240, CLSX 240, CLSX 251, CLSX 230, CLSX 240, or CLSX 240, or the honors versions of those courses. As soon as the student decides that classics is a possible major, he or she should talk to an undergraduate advisor in classics.

Requirements for the B.A. or B.G.S. Major: Classical Antiquity

The Classical Antiquity major consists of 30 hours of work in Classics and related courses, in addition to the coursework in Latin and/or Greek required for the major. The major is designed to encourage interdisciplinary understanding of ancient Greek and Roman cultures while maximizing student flexibility. Of the 30 hours that constitute the major, 15 must be in the Classics Department, i.e., CLSX, GRK, and LAT courses; and 15 must be junior/senior hours, i.e., at the 300 level or above. This major has two tracks: Classical Humanities, and Classical Art and Archaeology. Coursework in Latin and or Greek required for the major: 4-semester proficiency in Latin or ancient Greek, or four semesters combined Greek and/or Latin, or the equivalent.

Major Requirements

Track 1 - Classical Archaeology (30)
- 15 hours from list A 15
- 6 hours from list B 6
- 9 hours from list C 9

Track 2 - Classical Humanities (30)
- 6 hours from list A 6
- 15 hours from list B 15
- 9 hours from list C 9

List A - Classical Archaeology (0)
- CLSX 151 Introduction to Classical Archaeology
- or CLSX 351 Introduction to Classical Archaeology, Honors
- CLSX 312 Greek and Roman Art
- CLSX 371 Archaeology of Ancient Israel
- CLSX 525 Aegean Archaeology and Art
- CLSX 526 Greek Archaeology and Art
- CLSX 527 Roman Archaeology and Art
- CLSX 538 Pompeii and Herculaneum
- CLSX 529 Archaeology and Art of the Ancient Near East
- CLSX 577 Topics in the Archaeology and Art of the Ancient Mediterranean: _____
- HA 600 Biography of a City: _____
- ANTH 410 Archaeological Myths and Realities
- ANTH 418 Summer Archaeological Field Work
- ANTH 419 Training in Archaeological Field Work

List B - Classical Humanities (0)
- CLSX 148 Greek and Roman Mythology
- or CLSX 149 Greek and Roman Mythology Honors
- CLSX 168 Ancient Epic Tales
- or CLSX 169 Ancient Epic Tales, Honors
- CLSX 230 Greek Literature and Civilization
- or CLSX 330 Greek Literature and Civilization, Honors
- CLSX 240 Roman Literature and Civilization
- or CLSX 340 Roman Literature and Civilization, Honors
- CLSX 384 Ethics in Greek Tragedy
- CLSX 388 Poetry and Politics in Fifth-Century Athens
- CLSX 576 Topics in Greek and Roman Literature: _____

LAT/GRK courses beyond those used to satisfy the requirement
- ENGL 308 Introduction to Literary Criticism and Theory
- PHIL 384 Ancient Philosophy
- PHIL 508 Early Greek Philosophy
- PHIL 605 The Philosophy of Plato
- PHIL 607 The Philosophy of Aristotle
- PHIL 608 Hellenistic Philosophy
- HUM 304 World Literature I

List C - Electives (0)
- CLSX 210 Greek Rhetoric in Theory and Practice
- CLSX 220 Roman Oratory in Theory and Practice
- CLSX 232 Word Power: Greek and Latin Elements in English
- or CLSX 332 Medical Terminology: Greek and Latin Roots
- CLSX 350 Modern Themes, Ancient Models: _____
We wish to change the courses in list A, B, and C to reflect current offerings.

List A - Delete CLSX 317. Add CLSX 371 (this is working its way through approval)
List B - Add CLSX 168 and 169
List C - Delete CLSX 374, Add CLSX 382, CLSX 506 (these last two are working their way through approval),

Any course from List A or B beyond those used to fulfill the requirement.

Only 6 hours each of CLSX 575, CLSX 576, and CLSX 577 may count toward the major.

Students wishing to use their LAT or GRK to satisfy the university’s language requirement must do four semesters of the same language.

**Classical Antiquity Major Hours & Major GPA**

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

**Major Hours**
Satisfied by 30 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 15 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.
Program Change Request

Date Submitted: 12/02/16 9:29 pm

Viewing: CLSX-BA/BGS : Classical Languages, B.A./B.G.S.

Last edit: 12/02/16 9:29 pm

Changes proposed by: tswelch

Catalog Pages
Using this Program

Bachelor of Arts and Bachelor of General Studies in Classical Languages

Academic Career
Undergraduate, Lawrence

Program Type
Degree/Major

Department/Program
Classics (CLSX)

School/College
College of Lib Arts & Sciences

Degree Code
Bachelor of Arts - BA

Degree Code #2
Bachelor of General Studies - BGS

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

Consulting Department(s)
Classics

CIP Code
161200

Program Name
Classical Languages, B.A./B.G.S.

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

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

Effective Catalog
2017 - 2018

Approval Path
A. 12/28/16 9:24 am
Rachel Schwien (rschwien): Approved for CLAS Undergraduate Program and Course Coordinator
B. 01/17/17 1:58 pm
Rachel Schwien (rschwien): Approved for CUSA Subcommittee

Program Description

The Classical Languages major trains you to read the great authors of classical antiquity (e.g., Homer, Plato, Vergil, Sappho, Saint Augustine) in the original language and prepares you for graduate study in classics and for teaching in some private schools.

Degree Requirements

Classics Majors

The Department of Classics offers 2 majors. Both provide students of diverse career goals a broad humane education and afford a solid foundation for those who wish to pursue graduate work in classics. The Classical Antiquity major provides inclusive, interdisciplinary training in ancient Greek and Roman cultures and prepares you for graduate study in ancient archaeology, art, or history. The Classical Languages major trains you to read the great authors of classical antiquity (e.g., Homer, Plato, Vergil, Sappho, Saint Augustine) in the original language and prepares you for graduate study in classics and for teaching in some private schools.

You might also combine your classical language interest with a degree in the School of Education. A degree in education with a Latin major allows you to teach Latin in public high schools.

The department offers study abroad opportunities in Greece and Italy. All students may apply to attend these summer programs, and classics majors are especially encouraged to enroll.

First- and Second-Year Preparation

Potential classics majors should keep in mind that proficiency in Greek or Latin is required for either major; they need to enroll in GRK 104 or LAT 104 or their...
equivalents as early as possible. For students with no former training, proficiency takes 4 semesters; Classical Languages majors need additional language courses. Other courses to consider taking during the first or second year include CLSX 148, CLSX 151, CLSX 168, CLSX 230, CLSX 230, CLSX 240, or the honors versions of those courses. As soon as the student decides that classics is a possible major, he or she should talk to an undergraduate advisor in classics.

Requirements for the B.A. or B.G.S. Major: Classical Languages

The Classical Languages major consists of 27 hours of work in classics and related courses, beyond these 4 preliminary requirements: LAT 104, LAT 108, GRK 104, and GRK 108 or their equivalents. Students who have already taken the equivalents of those courses proceed to the next level. Study of both languages is required, but students with particular career plans may obtain written permission from the chair to substitute electives for one of the languages. This major requires at least 15 hours in language courses starting with LAT 112/LAT 113 or GRK 301, 3 hours in ancient art and archaeology, 3 hours in ancient history, and 6 hours in electives. Students aiming for graduate school in classics should take as many semesters of Latin and Greek as possible—at the least, 3 years of one ancient language and 2 years of the other. Future graduate students should also consider double majoring in Classical Antiquity and Classical Languages.

Elementary Knowledge in Greek or Latin (20)
Majors must complete courses as specified in each of the following areas. These hours do not contribute to the minimum number of hours required for the major. Equivalent courses and retroactive credit count toward this requirement. Study of both languages is required, but students with particular career plans may obtain written permission from the chair to substitute electives for one of the languages.

Elementary Latin I. Satisfied by:
- LAT 104 Elementary Latin I 5
- or LAT 105 Elementary Latin I, Honors

Elementary Latin II. Satisfied by:
- LAT 108 Elementary Latin II 5
- or LAT 109 Elementary Latin II, Honors

Elementary Ancient Greek. Satisfied by:
- GRK 104 Elementary Ancient Greek 5
- or GRK 105 Elementary Ancient Greek, Honors

Ancient Greek Readings and Grammar. Satisfied by:
- GRK 108 Ancient Greek Readings and Grammar 5
- or GRK 109 Ancient Greek Readings and Grammar, Honors

Classical Languages Major Core Language Knowledge and Skills (15)
Majors must complete at least 15 hours in language courses, beyond the elementary level, starting with LAT 112/LAT 113 or GRK 301 or the equivalent. Students aiming for graduate school in classics should take as many semesters of Latin and Greek as possible, at the least 3 years of one ancient language and 2 years of the other.

Major Core Knowledge and Skills (6)

History. Satisfied by one of the following: 3
- CLSX 151 Greek Literature and Civilization
- or CLSX 317 Greek and Roman Art
- CLSX 351 Introduction to Classical Archaeology, Honors
- CLSX 525 Aegean Archaeology and Art
- CLSX 526 Greek Archaeology and Art
- CLSX 527 Roman Archaeology and Art
- CLSX 529 Archaeology and Art of the Ancient Near East
- CLSX 538 Pompeii and Herculaneum
- CLSX 577 Topics in the Archaeology and Art of the Ancient Mediterranean: _______
- HWC/HA 600 Course HWC 600 Not Found (any ancient Mediterranean city)

Classical Languages Major Required Electives (6)
Majors must complete 2 courses (6 hours) of electives. Elective courses may include any CLSX, Greek, or Latin courses and any course listed above (but not used to satisfy the requirement), and PHIL 384, PHIL 508, PHIL 605, PHIL 607, PHIL 608, HUM 380, HUM 390, ENGL 308 or other courses in allied fields as approved by the department chair.

Major Hours & Major GPA

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

Major Hours
Satisfied by 27 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 15 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/courseleaf.cgi?page=/programadm...).

**Major Junior/Senior Attempts**
Summary includes Classical Languages junior/senior (300+) hours attempted, including F's and incompletes.

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**Rationale for proposal**
We are changing slightly the courses that count for the art and archaeology and elective portions of this major to reflect better our current offerings.

Ancient Art and Archaeology list: Delete CLSX 317, add CLSX 351
Electives list: Delete HWC 384 and 390, add back HUM 380 and HUM 390
First year preparation: Add CLSX 168 to list of courses to consider

**Additional Information**

**Supporting Documents**

**Program Reviewer Comments**

*Kim O'Bryon (kobryon) (12/02/16 5:09 pm):* Rollback: Rollback per request from Tara Welch.*
Program Change Request

Date Submitted: 11/21/16 1:30 pm

Viewing: **BIOL-BA : Human Biology, B.A.**

Last edit: 11/28/16 5:04 pm

Changes proposed by: gburg

Catalog Pages

Using this Program

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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 Human Biology**

The curriculum builds from a broad background of general science courses and adds depth in a set of 5 specialized disciplines. Courses in the disciplines emphasize topics related to humans and provide a solid understanding of each field of knowledge.

For general requirements for the B.A. degree, see CLAS General Education [Degree Requirements](https://next.catalog.ku.edu/courseleaf/courseleaf.cgi?page=/programadm/programadm134.html) on the College of Liberal Arts and Sciences Degree Requirements page.

Students must choose 1 concentration from the 5 areas:

- Anthropology
- Applied behavioral science
Biology

Psychology

Speech-language-hearing

General Science Requirements (34)

Majors must complete the following 33-hour minimum of general science requirements that serve as foundational courses for this major.

Introduction to Human Evolutionary Biology. Satisfied by:

ANTH 304 Fundamentals of Physical Anthropology

ANTH 345 Introduction to Human Evolutionary Biology

Biology Orientation Seminar. Satisfied by:

BIOL 105 Biology Orientation Seminar

Principles of Molecular & Cellular Biology. Satisfied by one of the following:

BIOL 150 Principles of Molecular and Cellular Biology

BIOL 151 Principles of Molecular and Cellular Biology, Honors

Principles of Organismal Biology. Satisfied by one of the following:

BIOL 152 Principles of Organismal Biology

BIOL 153 Principles of Organismal Biology, Honors

Calculus. Satisfied by one of the following:

MATH 115 Calculus I

& MATH 116 Calculus II

MATH 125 Calculus I

MATH 145 Calculus I, Honors

Chemistry I. Satisfied by one of the following:

CHEM 130 General Chemistry I

CHEM 190 Foundations of Chemistry I, Honors

Chemistry II. Satisfied by one of the following:

CHEM 135 General Chemistry II

CHEM 195 Foundations of Chemistry II, Honors

Physics I. Satisfied by one of the following:

PHSX 114 College Physics I

PHSX 211 and General Physics I Laboratory

& PHSX 216

Statistics. Satisfied by one of the following:

BIOL 570 Introduction to Biostatistics (Recommended for the Anthropology and Biology Concentrations)

PSYC 210 Statistics in Psychological Research (Recommended for the Psychology Concentration)

MATH 365 Elementary Statistics

Anthropology

Anthropology Concentration (13)

Majors must complete the following 31 hours. These additional science courses are included in the Human Biology-Anthropology major hours and GPA calculations.

Organic Chemistry I. Satisfied by one of the following:

CHEM 310 Fundamentals of Organic Chemistry

CHEM 330 Organic Chemistry I

Organic Chemistry I Laboratory. Satisfied by:

CHEM 331 Organic Chemistry I Laboratory

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

BIOL 416 Cell Structure and Function

BIOL 536 Cell Structure and Function (Honors)

Principles of Genetics. Satisfied by one of the following:

BIOL 590 Principles of Genetics

BIOL 590 Principles of Genetics, Honors

Senior Seminar in Human Biology. Satisfied by:

BIOL 599 Senior Seminar: ____ (Must be taken in senior year)

Anthropology Concentration Categories (18-21)

Satisfied by completing 2 of the following 4 categories (18-21 hours required):

Category 1: Human Anatomy and Physiology

Biology of Development. Satisfied by:

BIOL 417 Biology of Development

Anatomy and Physiology. Satisfied by completing 9 hours from the following:

ANTH 542 Biology of Human Nutrition

ANTH 648 Human Osteology

ANTH 650 Human Reproduction: Biology and Behavior

BIOL 426 Laboratory in Cell Biology
BIOL 440  Advanced Human Anatomy
BIOL 600  Introductory Biochemistry, Lectures
BIOL 637  Introductory Biochemistry Laboratory
BIOL 646  Mammalian Physiology
BIOL 647  Mammalian Physiology Laboratory

Category 2: Human Population Biology
Satisfied by completing 9 hours from the following:
ANTH 340  Human Variation and Evolution
ANTH 442  Anthropological Genetics
ANTH 544  Origins of Native Americans
ANTH 545  Contemporary Health Issues in Africa
ANTH 652  Population Dynamics

Category 3: Human Adaptation and Evolution
Satisfied by completing 9 hours from the following:
ANTH 350  Human Adaptation
ANTH 352  Controversies on the Living and the Dead
ANTH 503  Topics in Biological Anthropology: _____
ANTH 555  Evolution of Human Diseases
ANTH 549  Human Paleontology: Fossil Apes to Australopithecus
ANTH 550  Human Paleontology: Homo Erectus to Homo Sapiens

Category 4: Human Biology and Behavior
Satisfied by completing 9 hours from the following:
ANTH 359  Anthropology of Sex
ANTH 447  Human Behavioral Genetics
ANTH 461  Introduction to Medical Anthropology
ANTH 754  Biological Bases of Human Behavior
PSYC 370  Behavioral Neuroscience
PSYC 536  The Psychology of Language

### Major Hours & Major GPA

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

**Major Hours**
Satisfied by 31 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 field of study including F’s and repeated courses. See the Semester/Cumulative GPA Calculator.

### Applied Behavioral Science

**Applied Behavioral Science Concentration (15)**
Majors must complete the following 33 hours. These additional science courses are included in the Human Biology-Applied Behavioral Science major hours and GPA calculations.

Principles of Genetics. Satisfied by one of the following: 4
- BIOL 350  Principles of Genetics
- BIOL 360  Principles of Genetics, Honors

Introduction to Applied Behavioral Science. Satisfied by:
- ABSC 100  Introduction to Applied Behavioral Science

Development. Satisfied by one of the following: 3
- ABSC 160  Introduction to Child Behavior and Development
- PSYC 333  Child Development

Research Methods & Application. Satisfied by:
- ABSC 308  Research Methods and Application

Senior Seminar in Human Biology. Satisfied by:
- BIOL 599  Senior Seminar: _____ (Must be taken in senior year.)

Applied Behavioral Science Concentration Categories (18-19)
Satisfied by completing 2 of the following 4 categories (18-19 hours required): 18-19

Category 1: Applied Behavioral Science

Principles and Procedures of Behavior Modification and Therapy. Satisfied by:
- ABSC 304  The Principles and Procedures of Behavior Modification and Therapy

Applied Behavioral Science. Satisfied by completing 6 hours selected from the following courses:
- ABSC 150  Community Leadership
- ABSC 310  Building Healthy Communities
### Category 2: Development: Typical and Atypical

Child Behavior and Development. Satisfied by:

- **ABSC 410** Behavioral Approaches in Working with Adolescents
- **ABSC 437** Independent Living and People with Disabilities

Development: Typical and Atypical. Satisfied by completing 6 hours selected from the following:

- **ABSC 350** The Behavioral Treatment of Children with Autism
- **ABSC 535** Developmental Psychopathology
- **ABSC 565** Applied Developmental Psychology
- **BIOL 417** Biology of Development

### Category 3: Biology of Behavior

Physiology of Organisms. Satisfied by:

- **BIOL 408** Physiology of Organisms

Biology of Behavior. Satisfied by completing 6 hours selected from the following:

- **ANTH 542** Advanced Child Behavior and Development
- **BIOL 417** Biology of Development
- **BIOL 535** Developmental Psychopathology
- **BIOL 565** Applied Developmental Psychology
- **PSYC 370** Behavioral Neuroscience
- **PSYC 380** Clinical Neuroscience

### Category 4: Evolution, Culture, and Behavior

Evolutionary Biology. Satisfied by:

- **BIOL 412** Evolutionary Biology

Evolution, Culture, and Behavior. Satisfied by completing 6 hours selected from the following:

- **ANTH 341** Human Evolution
- **ANTH 415** The Rise of Civilization
- **ANTH 650** Human Reproduction: Biology and Behavior
- **ANTH 661** Cultural Dynamics
- **BIOL/GEOG 410** Human Biogeography, Honors
- **BIOL 428** Introduction to Systematics
- **BIOL 625** Behavioral Ecology and Sociobiology
- **BIOL 652** Comparative Animal Behavior

### 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 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.

### Biology

**Biology Concentration (14)**
Majors must complete the following 32 hours. These additional science courses are included in the Human Biology-Biology major hours and GPA calculations.

#### Organic Chemistry I
Satisfied by one of the following:

- **CHEM 310** Fundamentals of Organic Chemistry
- **CHEM 330** Organic Chemistry I

#### Organic Chemistry I Laboratory
Satisfied by:

- **CHEM 331** Organic Chemistry I Laboratory

#### Physics II
Satisfied by one of the following:

- **PHSX 115** College Physics II
- **PHSX 212** General Physics II
- **PHSX 236** and General Physics II Laboratory

#### Principles of Genetics
Satisfied by one of the following:

- **BIOL 350** Principles of Genetics
- **BIOL 360** Principles of Genetics, Honors
Senior Seminar in Human Biology. Satisfied by:

BIOL 599  Senior Seminar: _____ (Must be taken in senior year.)  1

Biology Laboratory Electives. Course selections from the following categories must include at least 3 hours of laboratory credit, 400 level or above.

Biology Concentration Categories (18-20)

Satisfied by completing 2 of the following 4 categories listed below. (18-20 hours required) (Course selections must include at least 3 hours of laboratory credit, 400 level or above.)

Category 1: Development and Genetics

Biology of Development. Satisfied by:

BIOL 417  Biology of Development

Development and Genetics. Satisfied by completing 6 hours from the following:

ABSC/PSYC 535  Developmental Psychopathology
ANTH 762  Human Growth and Development
BIOL 405  Laboratory in Genetics
BIOL 416  Cell Structure and Function
or BIOL 536  Cell Structure and Function (Honors)
BIOL 595  Human Genetics
BIOL 655  Behavioral Genetics
BIOL 688  The Molecular Biology of Cancer
PSYC 333  Child Development
PSYC 430  Cognitive Development
PSYC 531  Language Development
SPLH 566  Language Development

Anatomy and Physiology

Mammalian Physiology. Satisfied by:

BIOL 646  Mammalian Physiology

Anatomy & Physiology. Satisfied by completing 6 hours from the following:

ANTH 542  Biology of Human Nutrition
ANTH 648  Human Osteology
BIOL 435  Introduction to Neurobiology
BIOL 440  Advanced Human Anatomy
BIOL 600  Introductory Biochemistry, Lectures
BIOL 637  Introductory Biochemistry Laboratory
BIOL 647  Mammalian Physiology Laboratory
PSYC 370  Behavioral Neuroscience
PSYC 375  Cognitive Neuroscience
PSYC 380  Clinical Neuroscience

Category 3: Evolution, Ecology, and Adaptation

Evolutionary Biology. Satisfied by:

BIOL 412  Evolutionary Biology

Evolution, Ecology, and Adaptation. Satisfied by completing 6 hours selected from the following:

ANTH 340  Human Variation and Evolution
ANTH 341  Human Evolution
ANTH 350  Human Adaptation
ANTH 652  Population Dynamics
BIOL 410  Human Biogeography, Honors
BIOL 414  Principles of Ecology
BIOL 668  Evolutionary Ecology
PSYC 555  Evolutionary Psychology

Category 4: Human Disease

Fundamentals of Microbiology. Satisfied by one of the following:

BIOL 400  Fundamentals of Microbiology
BIOL 401  Fundamentals of Microbiology, Honors

Human Disease. Satisfied by completing 6 hours selected from the following:

ANTH 555  Evolution of Human Diseases
BIOL 402  Fundamentals of Microbiology Laboratory
BIOL 503  Immunology
BIOL 504  Immunology Laboratory
BIOL 506  Bacterial Infectious Diseases
BIOL 507  Bacterial Infectious Diseases Laboratory
BIOL 512  General Virology
BIOL 513  Virology Laboratory
BIOL 518  Microbial Genetics
BIOL 519  Microbial Genetics Laboratory
BIOL 595  Human Genetics
BIOL 616  Medical Entomology
BIOL 688  The Molecular Biology of Cancer

Total Hours

32-34
Major Hours & Major GPA

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

**Major Hours**
Satisfied by 32 hours of major courses.

**Major Hours in Residence**
Satisfied by a minimum of 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/courseleaf.cgi?page=/programadm...).

**Psychology**

Psychology Concentration (13)
Majors must complete the following 31 hours. These additional science courses are included in the Human Biology-Psychology major hours and GPA calculations.

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<td>3</td>
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<tr>
<td>CHEM 330</td>
<td>Organic Chemistry I</td>
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<td>Principles of Genetics, Honors</td>
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<td>PSYC 200</td>
<td>Research Methods in Psychology</td>
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<tr>
<td>BIOL 599</td>
<td>Senior Seminar: _____ (Must be taken in senior year.)</td>
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</table>

Psychology Concentration Categories (18)
Satisfied by completing 2 of the following 4 categories listed below. (18 hours required)

**Category 1: Evolution, Adaptation and Health**
- PSYC 555 Evolutionary Psychology
- PSYC 606 Health Psychology
- ANTH 340 Human Variation and Evolution
- ANTH 341 Human Evolution
- ANTH 350 Human Adaptation
- ANTH 442 Anthropological Genetics
- ANTH 447 Human Behavioral Genetics
- ANTH 542 Biology of Human Nutrition
- ANTH 555 Evolution of Human Diseases
- BIOL 412 Evolutionary Biology
- BIOL 595 Human Genetics

**Category 2: Human Development**
- PSYC 333 Child Development
- PSYC 334 Child Development, Honors

**Category 3: Human Cognition and Language**
- PSYC 430 Cognitive Development
- PSYC/ABSC 535 Developmental Psychopathology
- PSYC/ABSC 632 Advanced Child Behavior and Development
- BIOL 417 Biology of Development

**Category 4: Neuroscience**
- PSYC 318 Cognitive Psychology
- PSYC 418 Introduction to Cognitive Science
- PSYC 482 Sensation and Perception
- PSYC 518 Human Memory
- PSYC 531 Language Development
- PSYC 536 The Psychology of Language
- SPLH 466 Language Science
- SPLH 568 Language Development
Satisfied by completing 9 hours selected from the following:

- PSYC 370 Behavioral Neuroscience
- PSYC 375 Cognitive Neuroscience
- PSYC 380 Clinical Neuroscience
- ANTH 650 Human Reproduction: Biology and Behavior
- BIOL 435 Introduction to Neurobiology
- BIOL 454 Brain Diseases and Neurological Disorders
- BIOL 655 Behavioral Genetics

**Speech-Language-Hearing Concentration (12)**

Speech-Language-Hearing majors must complete the following 30 hours. These additional science courses are included in the Human Biology-Speech-Language-Hearing major hours and GPA calculations.

**Physics.** Satisfied by one of the following: 4

- SPLH 120 The Physics of Speech
- PHSX 115 College Physics II

**Research Methods.** Satisfied by: 3

- SPLH 660 Research Methods in Speech-Language-Hearing

**Genetics.** Satisfied by one of the following: 4

- BIOL 350 Principles of Genetics
- BIOL 360 Principles of Genetics, Honors

**Senior Seminar in Human Biology.** Satisfied by: 1

- BIOL 599 Senior Seminar: _____ (Must be taken in senior year.)

**Speech-Language-Hearing Concentration Categories (18-19)**

Satisfied by completing 2 of the following 4 categories (18-19 hours required).

**Category 1: Development and Genetics**

- Biology of Development, Satisfied by: 1
  - BIOL 417 Biology of Development

**Development and Genetics.** Satisfied by completing 6 hours selected from the following:

- ANTH 762 Human Growth and Development
- BIOL 405 Laboratory in Genetics
- BIOL 416 Cell Structure and Function
- or BIOL 536 Cell Structure and Function (Honors)
- BIOL 595 Human Genetics
- BIOL 655 Behavioral Genetics
- PSYC 333 Child Development
- PSYC 430 Cognitive Development
- SPLH 464 Undergraduate Seminar in: _____
- or SPLH 764 Seminar in: _____
- SPLH 466 Language Science
- SPLH 566 Language Development

**Category 2: Anatomy and Physiology**

- Mammalian Physiology. Satisfied by: 1
  - BIOL 646 Mammalian Physiology

**Anatomy and Physiology.** Satisfied by completing 6 hours selected from the following:

- BIOL 440 Advanced Human Anatomy
- BIOL 647 Mammalian Physiology Laboratory
- SPLH 462 Principles of Speech Science
- SPLH 463 Principles of Hearing Science

**Category 3: Neuroscience**

- Physiology of Organisms. Satisfied by:
  - BIOL 408 Physiology of Organisms
Neuroscience. Satisfied by completing 6 hours selected from the following:

- **BIOL 435** Introduction to Neurobiology
- **PSYC 370** Behavioral Neuroscience
- **PSYC 375** Cognitive Neuroscience
- **PSYC 380** Clinical Neuroscience
- **SPLH 464** Undergraduate Seminar in: ______ (Neural Bases of Speech & Voice)
- **SPLH 464** Undergraduate Seminar in: ______ (Speech Motor Control)

### Category 4: Research Practicum

Satisfied by completing 9 hours selected from the following courses:

- **SPLH 464** Undergraduate Seminar in: _____ (Circuit Theory & Bioinstrumentation)
- **SPLH 449** Laboratory/Field Work in Human Biology (various topics)
- **SPLH 499** Directed Study in Speech-Language-Hearing

### 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 30 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/courseleaf.cgi?page=/programadm...).

---

**Rationale for proposal**

- ANTH 345 will replace ANTH 304 as a Human Biology degree requirement.

**Additional Information**

- Rachel Schwien [rschwien](11/22/16 9:21 am): emailed dept re: SPLH 320

**Supporting Documents**

- Rachel Schwien [rschwien](11/28/16 9:38 am): holding for department response regarding SPLH course that no longer exists.

**Program**

**Reviewer**

**Comments**
Program Change Request

Date Submitted: 01/09/17 3:36 pm

Viewing: **WGSS-BA/BGS : Human Sexuality, B.A./B.G.S.**

Last approved: 11/11/16 6:26 am
Last edit: 01/09/17 3:36 pm
Changes proposed by: c459b950

Catalog Pages Using this Program

Bachelor of Arts and Bachelor of General Studies in Human Sexuality

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| Do you intend for this program to be offered online? | No |
| Do you intend to offer a track(s)? | |

Effective Catalog: 2017 - 2018

Program Description

Degree Requirements

- Introductory Survey (3)
  - **WGSS 101** Introduction to Women, Gender, and Sexuality Studies
  - **WGSS 102** Introduction to Women, Gender, and Sexuality Studies, Honors

- Survey - Choose one of the following: (3)
  - **HSES 489** Health and Human Sexuality
  - **PSYC 502** Human Sexuality
  - **SW 303** Human Sexuality in Everyday Life
### Core Social Science - Choose one of the following: (3)  
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<tr>
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<td>AAAS/ANTH 372</td>
<td>Religion, Power, and Sexuality in Arab Societies</td>
</tr>
<tr>
<td>ANTH 369</td>
<td>Anthropology of Sex</td>
</tr>
<tr>
<td>ANTH/WGSS 583</td>
<td>Love, Sex, and Globalization</td>
</tr>
<tr>
<td>POLS 640</td>
<td>Politics of Reproductive Policy</td>
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<tr>
<td>PSYC 410</td>
<td>Intimate Relationships</td>
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<tr>
<td>PSYC 555</td>
<td>Evolutionary Psychology</td>
</tr>
<tr>
<td>PSYC/WGSS 521</td>
<td>Women and Violence</td>
</tr>
<tr>
<td>PSYC/WGSS 689</td>
<td>Conceptual Issues in Human Sexuality</td>
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### Core Humanities - Choose one of the following: (3)  
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<tr>
<td>WGSS 311</td>
<td>Sex in History</td>
</tr>
<tr>
<td>AAAS/HIST 598</td>
<td>Sexuality and Gender in African History</td>
</tr>
<tr>
<td>CLSX/HUM 324</td>
<td>Gender and Sexuality: Ancient and Modern</td>
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<tr>
<td>EALC 418</td>
<td>Sexual Politics in Chinese Literature and Culture: Premodern Times</td>
</tr>
<tr>
<td>or EALC 618</td>
<td>Sexual Politics in Chinese Literature and Culture: Premodern Times</td>
</tr>
<tr>
<td>EALC 575</td>
<td>Love, Sexuality and Gender in Japanese Literature</td>
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<td>ENGL 572</td>
<td>Women and Literature: _____</td>
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<td>HIST 608</td>
<td>History of Sexuality</td>
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<td>PHIL 504</td>
<td>Philosophy of Sex and Love</td>
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<tr>
<td>REL 374</td>
<td>Religious Perspectives on Selfhood and Sexuality</td>
</tr>
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<td>WGSS 327</td>
<td>Perspectives in Lesbian, Gay, Bisexual, and Transgender Studies</td>
</tr>
<tr>
<td>WGSS 333</td>
<td>The Politics of Physical Appearance</td>
</tr>
<tr>
<td>WGSS 430</td>
<td>Skin, Sex, and Disease</td>
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<td>WGSS 563</td>
<td>Gender, Sexuality and the Law</td>
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<tr>
<td>WGSS 345</td>
<td>Popular Culture in Africa: Spiritual Thrills, Romance and Sexualities</td>
</tr>
<tr>
<td>WGSS 396</td>
<td>Studies in: _____ (Topic must be chosen from: Gay &amp; Lesbian Cultures; Sexuality &amp; Sexual Constructions; History, Theory, &amp; Representation of Lesbianism; Gender &amp; Sexuality in Cyberspace; Sex &amp; Gender: Fairbanks to Marilyn; Gender, Sexuality, and the Law.)</td>
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### Two Additional Core Courses - chosen from the Social Science and Humanities Core courses (6)  

<table>
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<td>WGSS 601</td>
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<td>WGSS 301</td>
<td>Research Methods in Women, Gender and Sexuality Studies</td>
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### Electives - choose two from the list below (or survey or core courses) (6)  
<table>
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<tbody>
<tr>
<td>AAAS 554</td>
<td>Contemporary Health Issues in Africa</td>
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<td>ABSC 268</td>
<td>Introduction to Marriage and Family Relations</td>
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<td>ABSC/PSYC 626</td>
<td>Psychology of Adolescence</td>
</tr>
<tr>
<td>AMS/SOC 110</td>
<td>American Identities</td>
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<tr>
<td>or AMS 112</td>
<td>American Identities, Honors</td>
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<tr>
<td>or SOC 112</td>
<td>American Identities, Honors</td>
</tr>
<tr>
<td>AMS 344</td>
<td>Case Study in American Studies: _____</td>
</tr>
<tr>
<td>WGSS 396</td>
<td>Studies in: _____ (African American Women: Colonial to Present)</td>
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<tr>
<td>ANTH 389</td>
<td>The Anthropology of Gender: Female, Male, and Beyond</td>
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<tr>
<td>WGSS 389</td>
<td>The Anthropology of Gender: Female, Male, and Beyond</td>
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<td>COMS 344</td>
<td>Relational Communication</td>
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<td>COMS 440</td>
<td>Communication and Gender</td>
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<td>REL 475</td>
<td>Loving Relationships</td>
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<tr>
<td>COMS 552</td>
<td>The Rhetoric of Women's Rights</td>
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<td>HIST/WGSS 324</td>
<td>History of Women and the Body</td>
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<td>HUM/WGSS 670</td>
<td>Men and Masculinities</td>
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<td>HUM/WGSS 575</td>
<td>The Body, Self and Society</td>
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<td>PHIL 674</td>
<td>Philosophy of Law</td>
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<td>POLS/WGSS 600</td>
<td>Contemporary Feminist Political Theory</td>
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<td>POLS/WGSS 630</td>
<td>Politics of Identity</td>
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<td>PSYC 465</td>
<td>Stereotyping and Prejudice Across Cultures</td>
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PSYC/WGSS 468 Psychology of Women
PSYC 642 The Psychology of Families
SOC 220 Sociology of Families
SOC 617 Women and Health Care
SOC 628 Families and Social Inequalities
WGSS 333 The Politics of Physical Appearance
WGSS 396 Studies in: _____ (Public Health & the Human Body)

**Human Sexuality Major Hours & Major GPA**

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

- **Major Hours**
  Satisfied by 30 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 18 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/courseleaf.cgi?page=/programadm...).
Program Change Request

Date Submitted: 11/29/16 10:17 am

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

Last edit: 11/29/16 10:17 am

Changes proposed by: weghorst

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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 Microbiology

Course work allows students to study microbiology as part of their general education and provides a background for teachers. It also prepares students for work in medical, public health, research, and industrial laboratories; for graduate, medical, or dental school; or for the clinical laboratory sciences program.

For general requirements for the B.A. degree, see CLAS General Education Degree Requirements on the College of Liberal Arts and Sciences Degree Requirements page.

### General Science Requirements

Microbiology General Science Requirements (39-42)
<table>
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**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.

This edit is just for the 2017-18 catalog. BIOL 401 increased from 3 to 4 credit hours, so we adjusted the appropriate credit hour totals where needed.
Program Change Request

Date Submitted: 11/30/16 4:09 pm

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

Last edit: 11/30/16 4:09 pm

Changes proposed by: weghorst

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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 2017 - 2018

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.S. Degree in Microbiology

**General Education Requirements**

In addition to degree and major requirements, all students must complete the KU Core.

**Microbiology Course Requirements**

General Science Requirements (51-55)
Majors must complete 51-55 hours of the following general science requirements that serve as foundational courses for this major.

### Biology Orientation Seminar
Satisfied by:
- **BIOL 105** Biology Orientation Seminar 1

### Molecular & Cellular Biology
Satisfied by one of the following:
- **BIOL 150** Principles of Molecular and Cellular Biology
- **BIOL 151** Principles of Molecular and Cellular Biology, Honors

### Principles of Genetics
Satisfied by one of the following:
- **BIOL 350** Principles of Genetics
- **BIOL 360** Principles of Genetics, Honors

### Statistics
Satisfied by one of the following:
- **BIOL 570** Introduction to Biostatistics
- **MATH 365** Elementary Statistics
- **PSYC 210** Statistics in Psychological Research

### Biochemistry I
Satisfied by:
- **BIOL 636** Biochemistry I 4

### Biochemistry II
Satisfied by:
- **BIOL 638** Biochemistry II 3

### Chemistry I
Satisfied by one of the following:
- **CHEM 130** General Chemistry I
- **CHEM 190** Foundations of Chemistry I, Honors

### Chemistry II
Satisfied by one of the following:
- **CHEM 135** General Chemistry II
- **CHEM 195** Foundations of Chemistry II, Honors

### Organic Chemistry I
Satisfied by one of the following:
- **CHEM 330** Organic Chemistry I
- **CHEM 380** Organic Chemistry I, Honors

### Organic Chemistry I Laboratory
Satisfied by:
- **CHEM 331** Organic Chemistry I Laboratory

### Organic Chemistry II
Satisfied by one of the following:
- **CHEM 336** Organic Chemistry II
- **CHEM 385** Organic Chemistry II, Honors

### Organic Chemistry II Laboratory
Satisfied by:
- **CHEM 336** Organic Chemistry II Laboratory

### Calculus
Satisfied by one of the following:
- **MATH 115** Calculus I
- **MATH 116** Calculus II
- **MATH 125** Calculus I

### Physics
Satisfied by one of the following:
- **PHSX 114** College Physics I
- **PHSX 115** College Physics II
- **PHSX 211** General Physics I
- **PHSX 236** General Physics II Laboratory

### Microbiology Course Requirements (29-30)
Satisfied by completing 29-30 hours from the following courses:

#### Fundamentals of Microbiology
Satisfied by one of the following:
- **BIOL 400** Fundamentals of Microbiology
- **BIOL 401** Fundamentals of Microbiology, Honors

#### Fundamentals of Microbiology Laboratory
Satisfied by:
- **BIOL 402** Fundamentals of Microbiology Laboratory

#### Cell Structure & Function
Satisfied by one of the following:
- **BIOL 416** Cell Structure and Function
- **BIOL 536** Cell Structure and Function (Honors)

#### Immunology
Satisfied by:
- **BIOL 503** Immunology

#### Immunology Laboratory
Satisfied by:
- **BIOL 504** Immunology Laboratory

#### Bacterial Infectious Diseases
Satisfied by:
- **BIOL 506** Bacterial Infectious Diseases

#### Pathogenic Microbiology Laboratory
Satisfied by:
- **BIOL 507** Pathogenic Microbiology Laboratory

#### General Virology
Satisfied by:
- **BIOL 512** General Virology

#### Virology Laboratory
Satisfied by:
BIOL 513  Virology Laboratory  2
Microbial Genetics. Satisfied by:
BIOL 518  Microbial Genetics  3
Microbial Genetics Laboratory. Satisfied by:
BIOL 519  Microbial Genetics Laboratory  2
Senior Seminar - Current Progress in Microbiology. Satisfied by:
BIOL 599  Senior Seminar: _____ (Must be taken in senior year)  1
Microbiology Required Electives (6)  6
Satisfied by completing 6 hours of BIOL courses numbered 400 or higher, which must be selected in consultation with a microbiology advisor.

**Major Hours & Major GPA**

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

**Major Hours**
Satisfied by 35-36 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](#).

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**Rationale for proposal**
This edit is just for the 2017-18 catalog. BIOL 570 and BIOL 401 increased from 3 to 4 credit hours, so credit hour totals were adjusted in the appropriate sections.

**Additional Information**

**Supporting Documents**

**Program Reviewer Comments**
Rachel Schwien (rschwien) (11/30/16 9:30 am): Rollback: per request
Program Change Request

Date Submitted: 11/30/16 11:48 pm

Viewing: **BIOL-BS : Molecular Biosciences, B.S.**

Last approved: 02/13/16 6:37 pm

Last edit: 01/13/17 2:31 pm

Changes proposed by: weghorst

**Catalog Pages Using this Program**

- Bachelor of Science in Molecular Biosciences

**Academic Career** Undergraduate, Lawrence

**Program Type** Degree/Major

**Department/Program** Biology (BIOL)

**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

**PSFT - Registrar use only**

**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** 2017 2016–2018 2017

**Program Description**

**Degree Requirements**

**Molecular Biosciences**

**KU Edwards Campus**

The undergraduate program in molecular biosciences is offered in its entirety only at the [KU Edwards Campus](https://next.catalog.ku.edu/courseleaf/courseleaf.cgi?page=/programadm...), 12600 Quivira Rd., Overland Park, KS 66213. This program is designed for students who have earned an associate’s degree or equivalent hours and wish to complete the upper-level courses necessary for a bachelor’s degree.

**Requirements for the B.S. Degree in Molecular Biosciences**
The program offers students a strong background in genetics, microbiology, cell biology, and biochemistry, as well as laboratory skills in genetics and microbiology. Graduates have entered medical school, dental school, and graduate school with high success rates. Contact the CLAS undergraduate advisor on the Edwards Campus, Sandra Leppin, sandra.leppin@ku.edu, 913-897-8511, for more information.

General Education Requirements

In addition to degree and major requirements, all students must complete the KU Core.

General Science Requirements (33-37)

Majors must complete the following general science requirements that serve as foundational courses for this major.

Chemistry I. Satisfied by one of the following: 5
- CHEM 130 General Chemistry I
- CHEM 190 Foundations of Chemistry I, Honors

Chemistry II. Satisfied by one of the following: 5
- CHEM 135 General Chemistry II
- CHEM 195 Foundations of Chemistry II, Honors

Organic Chemistry I. Satisfied by one of the following: 3
- CHEM 330 Organic Chemistry I
- CHEM 380 Organic Chemistry I, Honors

Organic Chemistry I Laboratory. Satisfied by:
- CHEM 331 Organic Chemistry I Laboratory

Organic Chemistry II. Satisfied by one of the following: 3
- CHEM 335 Organic Chemistry II
- CHEM 385 Organic Chemistry II, Honors

Calculus. Satisfied by one of the following: 4-6
- MATH 115 & MATH 116 Calculus I and Calculus II
- MATH 125 Calculus I (Calculus I)

Physics. Satisfied by one of the following: 8-9
Option 1: College Physics
- PHSX 114 & PHSX 115 College Physics I and College Physics II
Option 2: General Physics
- PHSX 211 General Physics I
- PHSX 212 General Physics II
- PHSX 236 General Physics II Laboratory

Statistics. Satisfied by one of the following: 3-4
- BIOL 570 Introduction to Biostatistics
- MATH 365 Elementary Statistics
- PSYC 210 Statistics in Psychological Research

Molecular Biosciences Course Requirements (30-31)

Molecular & Cellular Biology. Satisfied by:
- BIOL 150 Principles of Molecular and Cellular Biology
- BIOL 151 Principles of Molecular and Cellular Biology, Honors

Principles of Organismal Biology. Satisfied by:
- BIOL 152 Principles of Organismal Biology
- BIOL 153 Principles of Organismal Biology, Honors

Principles of Genetics. Satisfied by:
- BIOL 350 Principles of Genetics
- BIOL 360 Principles of Genetics, Honors

Fundamentals of Microbiology. Satisfied by:
- BIOL 400 Fundamentals of Microbiology
- BIOL 401 Fundamentals of Microbiology, Honors

Fundamentals of Microbiology Laboratory. Satisfied by:
- BIOL 402 Fundamentals of Microbiology Laboratory

Laboratory in Genetics. Satisfied by:
- BIOL 405 Laboratory in Genetics

Cell Structure & Function. Satisfied by:
- BIOL 416 Cell Structure and Function
- BIOL 536 Cell Structure and Function (Honors)

Molecular Biology Laboratory. Satisfied by:
- BIOL 430 Laboratory in Molecular Biology

Introductory Biochemistry. Satisfied by:
- BIOL 600 Introductory Biochemistry, Lectures

Principles of Biochemistry Laboratory. Satisfied by:
- BIOL 601 Principles of Biochemistry Laboratory
Senior Seminar in Molecular Biosciences (1)
Satisfied by:

BIOL 599  Senior Seminar: _____ (Must be taken in senior year. Offered only at the Edwards Campus.) 1

Molecular Bioscience Required Electives (12)
Satisfied by completing 12 hours of BIOL courses numbered 400 or higher, including at least 2 hours of a seminar/topics course (BIOL 419, BIOL 420, BIOL 421, BIOL 701). No more than 3 hours of BIOL 423 Non-Lab Independent Study and/or BIOL 424 Independent Study (combined) can be applied towards the elective requirement.

Seminar. Satisfied by completing at least 2 hours of the following seminar or topics courses:

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.

Rationale for proposal
These edits are only for the purposes of the course catalog. BIOL 401 and BIOL 570 increased from 3 to 4 credit hours, and the appropriate sections were updated. The number of major hours also was corrected.