

DOCUMENTS OF THE GENERAL FACULTY

PROPOSED CHANGES TO THE FLAGS IN THE BACHELOR OF SCIENCE AND ARTS DEGREE PROGRAM IN THE COLLEGE OF NATURAL SCIENCES CHAPTER IN THE *UNDERGRADUATE CATALOG 2016-2018*

Dean Linda Hicke in the College of Natural Sciences has filed with the secretary of the Faculty Council the following changes to the *Undergraduate Catalog, 2016-2018*. The secretary has classified this proposal as legislation of *general* interest to more than one college or school.

The Committee on Undergraduate Degree Program Review recommended approval of the changes on February 10, 2016, and forwarded the proposal to the Office of the General Faculty. The Faculty Council has the authority to approve this legislation on behalf of the General Faculty. The authority to grant final approval on this legislation resides with UT System.

If no objection is filed with the Office of the General Faculty by the date specified below, the legislation will be held to have been approved by the Faculty Council. If an objection is filed within the prescribed period, the legislation will be presented to the Faculty Council at its next meeting. The objection, with reasons, must be signed by a member of the Faculty Council.

To be counted, a protest must be received in the Office of the General Faculty by February 24, 2016.



Hillary Hart, Secretary
General Faculty and Faculty Council

4. SCOPE OF PROPOSED CHANGE

- a. Does this proposal impact other colleges/schools? Yes No
If yes, then how?
- b. Do you anticipate a net change in the number of students in your college? Yes No
If yes, how many more (or fewer) students do you expect?
- c. Do you anticipate a net increase (or decrease) in the number of students from outside of your college taking classes in your college? Yes No
If yes, please indicate the number of students and/or class seats involved.
- d. Do you anticipate a net increase (or decrease) in the number of students from your college taking courses in other colleges? Yes No
If yes, please indicate the number of students and/or class seats involved.
It is unknown how adopting these flags in Natural Sciences will impact other colleges and specific courses. It is likely that Natural Sciences majors will seek completion of the global cultures, cultural diversity in the U.S., and ethics and leadership flags outside of the college, at least at first. Data gathered by the School of Undergraduate Studies show that many Natural Sciences graduates completed these flags by satisfying other degree requirements even when the flags were not required.

If 4 a, b, c, or d was answered with yes, please answer the following questions. If the proposal has potential budgetary impacts for another college/school, such as requiring new sections or a non-negligible increase in the number of seats offered, at least one contact must be at the college-level.

- e. Does this proposal involve changes to the core curriculum or other basic education requirements (42-hour core, signature courses, flags)? **Yes.** If yes, explain:

The College of Natural Sciences adopted the following skills and experience flags: Global Cultures, Cultural Diversity in the United States, Ethics and Leadership, and Independent Inquiry. These new flags join the ones previously adopted in earlier catalogs: Writing (2) and Quantitative Reasoning. The adoption for the 2016 catalog was based on data demonstrating how many Natural Sciences graduates already completed flags that were not required. The data was presented by Brent Iverson, Dean, School of Undergraduate Studies. The only flag that the college did not adopt is the third writing flag.

If yes, undergraduate studies must be informed of the proposed changes and their response included:

Person communicated with: Brent Iverson, Dean, School of Undergraduate Studies
Date of communication: November 4, 2015
Response: Dr. Iverson encouraged the college to adopt the remaining flags.

- f. Will this proposal change the number of hours required for degree completion? **No.** If yes, explain:

5. COLLEGE/SCHOOL APPROVAL PROCESS

College approval date: November 4, 2015; November 18, 2015
Dean approval date: November 4, 2015; November 18, 2015, David Vanden Bout, Associate Dean

PROPOSED NEW CATALOG TEXT:**Bachelor of Arts, Plan I**

~~All students must complete the University's Core Curriculum. In the process of fulfilling the core curriculum and other degree requirements, all students must complete courses with content in the following areas:~~

- ~~1. Writing: two flagged courses, including one at the upper division level, beyond Rhetoric and Writing 306 or its equivalent.~~
- ~~2. Quantitative reasoning: one flagged course~~
1. Core curriculum.

2. Skills and experience flags:
 - a. Writing: two flagged courses beyond Rhetoric and Writing 306 or its equivalent, including one at the upper-division level
 - b. Quantitative reasoning: one flagged course
 - c. Global cultures: one flagged course
 - d. Cultural diversity in the United States: one flagged course
 - e. Ethics and leadership: one flagged course
 - f. Independent inquiry: one flagged course

Courses that may be used to fulfill flag requirements are identified in the *Course Schedule*. They may be used simultaneously to fulfill other requirements, unless otherwise specified. Please note, students may not earn the cultural diversity in the United States and the global cultures flags from the same course. Students are encouraged to discuss options with their academic advisers.

Bachelor of Science and Arts

In the process of fulfilling ~~the core curriculum and other~~ degree requirements, all students must complete ~~courses with content in the following areas:~~

- ~~1. Writing: two flagged courses, including one at the upper-division level, beyond Rhetoric and Writing 306 or its equivalent~~
- ~~2. Quantitative reasoning: one flagged course~~
1. Core curriculum
2. Skills and experience flags:
 - a. Writing: two flagged courses beyond Rhetoric and Writing 306 or its equivalent, including one at the upper-division level
 - b. Quantitative reasoning: one flagged course
 - c. Global cultures: one flagged course
 - d. Cultural diversity in the United States: one flagged course
 - e. Ethics and leadership: one flagged course
 - f. Independent inquiry: one flagged course

Courses that may be used to fulfill flag requirements are identified in the *Course Schedule*. They may be used simultaneously to fulfill other requirements, unless otherwise specified. Please note, students may not earn the cultural diversity in the United States and the global cultures flags from the same course. Students are encouraged to discuss options with their academic advisers.

Bachelor of Science in Astronomy

~~All students pursuing an undergraduate degree must complete the University's Core Curriculum.~~

~~In addition, students seeking the Bachelor of Science in Astronomy must complete the following degree-level requirements. In some cases, courses that fulfill degree-level requirements also meet the requirements of the core.~~

- ~~1. Two courses with a writing flag. One of these courses must be upper-division.~~
- ~~2. One course with a quantitative reasoning flag.~~

~~Courses with flags are identified in the *Course Schedule*. They may be used simultaneously to fulfill other requirements, unless otherwise specified.~~

In the process of fulfilling degree requirements, all students must complete:

1. Core curriculum
2. Skills and experience flags:
 - a. Writing: two flagged courses beyond Rhetoric and Writing 306 or its equivalent, including one at the upper-division level
 - b. Quantitative reasoning: one flagged course
 - c. Global cultures: one flagged course

- d. Cultural diversity in the United States: one flagged course
- e. Ethics and leadership: one flagged course
- f. Independent inquiry: one flagged course

Courses that may be used to fulfill flag requirements are identified in the *Course Schedule*. They may be used simultaneously to fulfill other requirements, unless otherwise specified. Please note, students may not earn the cultural diversity in the United States and the global cultures flags from the same course. Students are encouraged to discuss options with their academic advisers.

Bachelor of Science in Biochemistry

~~All students pursuing an undergraduate degree must complete the University's Core Curriculum.~~

~~In addition, students seeking the Bachelor of Science in Biochemistry must complete the following degree level requirements. In some cases, courses that fulfill degree level requirements also meet the requirements of the core.~~

- ~~1. Two courses with a writing flag. One of these courses must be upper division.~~
- ~~2. One course with a quantitative reasoning flag.~~

~~Courses with flags are identified in the *Course Schedule*. They may be used simultaneously to fulfill other requirements, unless otherwise specified.~~

In the process of fulfilling degree requirements, all students must complete:

- 1. Core curriculum
- 2. Skills and experience flags:
 - a. Writing: two flagged courses beyond Rhetoric and Writing 306 or its equivalent, including one at the upper-division level
 - b. Quantitative reasoning: one flagged course
 - c. Global cultures: one flagged course
 - d. Cultural diversity in the United States: one flagged course
 - e. Ethics and leadership: one flagged course
 - f. Independent inquiry: one flagged course

Courses that may be used to fulfill flag requirements are identified in the *Course Schedule*. They may be used simultaneously to fulfill other requirements, unless otherwise specified. Please note, students may not earn the cultural diversity in the United States and the global cultures flags from the same course. Students are encouraged to discuss options with their academic advisers.

Bachelor of Science in Biology

~~All students pursuing an undergraduate degree must complete the University's Core Curriculum.~~

~~In addition, students seeking the Bachelor of Science in Biology must complete the following degree level requirements. In some cases, courses that fulfill degree level requirements also meet the requirements of the core.~~

- ~~1. Two courses with a writing flag. One of these courses must be upper division.~~
- ~~2. One course with a quantitative reasoning flag.~~

~~Courses with flags are identified in the *Course Schedule*. They may be used simultaneously to fulfill other requirements, unless otherwise specified.~~

In the process of fulfilling degree requirements, all students must complete:

1. Core curriculum
2. Skills and experience flags:
 - a. Writing: two flagged courses beyond Rhetoric and Writing 306 or its equivalent, including one at the upper-division level
 - b. Quantitative reasoning: one flagged course
 - c. Global cultures: one flagged course
 - d. Cultural diversity in the United States: one flagged course
 - e. Ethics and leadership: one flagged course
 - f. Independent inquiry: one flagged course

Courses that may be used to fulfill flag requirements are identified in the *Course Schedule*. They may be used simultaneously to fulfill other requirements, unless otherwise specified. Please note, students may not earn the cultural diversity in the United States and the global cultures flags from the same course. Students are encouraged to discuss options with their academic advisers.

Bachelor of Science in Chemistry

~~All students pursuing an undergraduate degree must complete the University's Core Curriculum.~~

~~In addition, students seeking the Bachelor of Science in Chemistry must complete the following degree level requirements. In some cases, courses that fulfill degree level requirements also meet the requirements of the core.~~

- ~~1. Two courses with a writing flag. One of these courses must be upper division.~~
- ~~2. One course with a quantitative reasoning flag.~~

~~Courses with flags are identified in the *Course Schedule*. They may be used simultaneously to fulfill other requirements, unless otherwise specified.~~

In the process of fulfilling degree requirements, all students must complete:

1. Core curriculum
2. Skills and experience flags:
 - a. Writing: two flagged courses beyond Rhetoric and Writing 306 or its equivalent, including one at the upper-division level
 - b. Quantitative reasoning: one flagged course
 - c. Global cultures: one flagged course
 - d. Cultural diversity in the United States: one flagged course
 - e. Ethics and leadership: one flagged course
 - f. Independent inquiry: one flagged course

Courses that may be used to fulfill flag requirements are identified in the *Course Schedule*. They may be used simultaneously to fulfill other requirements, unless otherwise specified. Please note, students may not earn the cultural diversity in the United States and the global cultures flags from the same course. Students are encouraged to discuss options with their academic advisers.

Bachelor of Science in Computer Science

~~All students pursuing an undergraduate degree must complete the University's Core Curriculum.~~

~~In addition, students seeking the Bachelor of Science in Computer Science must complete the following degree level requirements. In some cases, courses that fulfill degree level requirements also meet the requirements of the core.~~

- ~~1. Two courses with a writing flag. One of these courses must be upper division.~~

~~2. One course with a quantitative reasoning flag.~~

~~Courses with flags are identified in the *Course Schedule*. They may be used simultaneously to fulfill other requirements, unless otherwise specified.~~

~~In the process of fulfilling degree requirements, all students must complete:~~

- ~~1. Core curriculum~~
- ~~2. Skills and experience flags:~~
 - ~~a. Writing: two flagged courses beyond Rhetoric and Writing 306 or its equivalent, including one at the upper-division level~~
 - ~~b. Quantitative reasoning: one flagged course~~
 - ~~c. Global cultures: one flagged course~~
 - ~~d. Cultural diversity in the United States: one flagged course~~
 - ~~e. Ethics and leadership: one flagged course~~
 - ~~f. Independent inquiry: one flagged course~~

~~Courses that may be used to fulfill flag requirements are identified in the *Course Schedule*. They may be used simultaneously to fulfill other requirements, unless otherwise specified. Please note, students may not earn the cultural diversity in the United States and the global cultures flags from the same course. Students are encouraged to discuss options with their academic advisers.~~

Bachelor of Science in Human Development and Family Sciences

~~All students pursuing an undergraduate degree must complete the University's Core Curriculum.~~

~~In addition, students seeking the Bachelor of Science in Human Development and Family Sciences must complete the following degree-level requirements. In some cases, courses that fulfill degree-level requirements also meet the requirements of the core.~~

- ~~1. Two courses with a writing flag. One of these courses must be upper-division.~~
- ~~2. One course with a quantitative reasoning flag.~~

~~Courses with flags are identified in the *Course Schedule*. They may be used simultaneously to fulfill other requirements, unless otherwise specified.~~

~~In the process of fulfilling degree requirements, all students must complete:~~

- ~~1. Core curriculum~~
- ~~2. Skills and experience flags:~~
 - ~~a. Writing: two flagged courses beyond Rhetoric and Writing 306 or its equivalent, including one at the upper-division level~~
 - ~~b. Quantitative reasoning: one flagged course~~
 - ~~c. Global cultures: one flagged course~~
 - ~~d. Cultural diversity in the United States: one flagged course~~
 - ~~e. Ethics and leadership: one flagged course~~
 - ~~f. Independent inquiry: one flagged course~~

~~Courses that may be used to fulfill flag requirements are identified in the *Course Schedule*. They may be used simultaneously to fulfill other requirements, unless otherwise specified. Please note, students may not earn the cultural diversity in the United States and the global cultures flags from the same course. Students are encouraged to discuss options with their academic advisers.~~

Bachelor of Science in Mathematics

~~All students pursuing an undergraduate degree must complete the University's Core Curriculum.~~

~~In addition, students seeking the Bachelor of Science in Mathematics must complete the following degree-level requirements. In some cases, courses that fulfill degree-level requirements also meet the requirements of the core.~~

- ~~1. Two courses with a writing flag. One of these courses must be upper-division.~~
- ~~2. One course with a quantitative reasoning flag.~~

~~Courses with flags are identified in the *Course Schedule*. They may be used simultaneously to fulfill other requirements, unless otherwise specified.~~

In the process of fulfilling degree requirements, all students must complete:

1. Core curriculum
2. Skills and experience flags:
 - a. Writing: two flagged courses beyond Rhetoric and Writing 306 or its equivalent, including one at the upper-division level
 - b. Quantitative reasoning: one flagged course
 - c. Global cultures: one flagged course
 - d. Cultural diversity in the United States: one flagged course
 - e. Ethics and leadership: one flagged course
 - f. Independent inquiry: one flagged course

Courses that may be used to fulfill flag requirements are identified in the *Course Schedule*. They may be used simultaneously to fulfill other requirements, unless otherwise specified. Please note, students may not earn the cultural diversity in the United States and the global cultures flags from the same course. Students are encouraged to discuss options with their academic advisers.

Bachelor of Science in Medical Laboratory Science

~~All students pursuing an undergraduate degree must complete the University's Core Curriculum.~~

~~In addition, students seeking the Bachelor of Science in Medical Laboratory Science must complete the following degree-level requirements. In some cases, courses that fulfill degree-level requirements also meet the requirements of the core.~~

- ~~1. Two courses with a writing flag. One of these courses must be upper-division.~~
- ~~2. One course with a quantitative reasoning flag.~~

~~Courses with flags are identified in the *Course Schedule*. They may be used simultaneously to fulfill other requirements, unless otherwise specified.~~

In the process of fulfilling degree requirements, all students must complete:

1. Core curriculum
2. Skills and experience flags:
 - a. Writing: two flagged courses beyond Rhetoric and Writing 306 or its equivalent, including one at the upper-division level
 - b. Quantitative reasoning: one flagged course
 - c. Global cultures: one flagged course
 - d. Cultural diversity in the United States: one flagged course
 - e. Ethics and leadership: one flagged course
 - f. Independent inquiry: one flagged course

Courses that may be used to fulfill flag requirements are identified in the *Course Schedule*. They may be used simultaneously to fulfill other requirements, unless otherwise specified. Please note, students may not earn the cultural diversity in the United States and the global cultures flags from the same course. Students are encouraged to discuss options with their academic advisers.

Bachelor of Science in Neuroscience

All students pursuing an undergraduate degree must complete the University's Core Curriculum.

In addition, students seeking the Bachelor of Science in Neuroscience must complete the following degree level requirements. In some cases, courses that fulfill degree level requirements also meet the requirements of the core.

1. Two courses with a writing flag. One of these courses must be upper division.
2. One course with a quantitative reasoning flag.

Courses with flags are identified in the *Course Schedule*. They may be used simultaneously to fulfill other requirements, unless otherwise specified.

In the process of fulfilling degree requirements, all students must complete:

1. Core curriculum
2. Skills and experience flags:
 - a. Writing: two flagged courses beyond Rhetoric and Writing 306 or its equivalent, including one at the upper-division level
 - b. Quantitative reasoning: one flagged course
 - c. Global cultures: one flagged course
 - d. Cultural diversity in the United States: one flagged course
 - e. Ethics and leadership: one flagged course
 - f. Independent inquiry: one flagged course

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Bachelor of Science in Nutrition

All students pursuing an undergraduate degree must complete the University's Core Curriculum.

In addition, students seeking the Bachelor of Science in Nutrition must complete the following degree level requirements. In some cases, courses that fulfill degree level requirements also meet the requirements of the core.

1. Two courses with a writing flag. One of these courses must be upper division.
2. One course with a quantitative reasoning flag.

Courses with flags are identified in the *Course Schedule*. They may be used simultaneously to fulfill other requirements, unless otherwise specified.

In the process of fulfilling degree requirements, all students must complete:

1. Core curriculum
2. Skills and experience flags:
 - a. Writing: two flagged courses beyond Rhetoric and Writing 306 or its equivalent, including one at the upper-division level
 - b. Quantitative reasoning: one flagged course
 - c. Global cultures: one flagged course
 - d. Cultural diversity in the United States: one flagged course
 - e. Ethics and leadership: one flagged course
 - f. Independent inquiry: one flagged course

Courses that may be used to fulfill flag requirements are identified in the *Course Schedule*. They may be used simultaneously to fulfill other requirements, unless otherwise specified. Please note, students may not earn the cultural diversity in the United States and the global cultures flags from the same course. Students are encouraged to discuss options with their academic advisers.

Bachelor of Science in Physics

~~All students pursuing an undergraduate degree must complete the University's Core Curriculum.~~

~~In addition, students seeking the Bachelor of Science in Physics must complete the following degree level requirements. In some cases, courses that fulfill degree level requirements also meet the requirements of the core.~~

- ~~1. Two courses with a writing flag. One of these courses must be upper division.~~
- ~~2. One course with a quantitative reasoning flag.~~

~~Courses with flags are identified in the *Course Schedule*. They may be used simultaneously to fulfill other requirements, unless otherwise specified.~~

In the process of fulfilling degree requirements, all students must complete:

1. Core curriculum
2. Skills and experience flags:
 - a. Writing: two flagged courses beyond Rhetoric and Writing 306 or its equivalent, including one at the upper-division level
 - b. Quantitative reasoning: one flagged course
 - c. Global cultures: one flagged course
 - d. Cultural diversity in the United States: one flagged course
 - e. Ethics and leadership: one flagged course
 - f. Independent inquiry: one flagged course

Courses that may be used to fulfill flag requirements are identified in the *Course Schedule*. They may be used simultaneously to fulfill other requirements, unless otherwise specified. Please note, students may not earn the cultural diversity in the United States and the global cultures flags from the same course. Students are encouraged to discuss options with their academic advisers.

Bachelor of Science in Public Health

~~All students pursuing an undergraduate degree must complete the University's Core Curriculum.~~

~~In addition, students seeking the Bachelor of Science in Public Health must complete the following degree level requirements. In some cases, courses that fulfill degree level requirements also meet the requirements of the core.~~

In the process of fulfilling degree requirements, all students must complete:

1. Foundation courses:
 - a. Public health: Public Health 317.
 - b. Microbiology: Biology 326M and 226L.
 - c. Nutrition and physiology: Nutrition 312 or 312H and Biology 365S.
 - d. Social and behavioral sciences: One of the following: Economics 304K, 304L, Psychology 301, Sociology 319, 354K.
 - e. Political science/government: Government 358 or Management 320F.
2. Public health core*:
 - a. Biostatistics: Statistics and Data Sciences 328M.
 - b. Environmental health sciences: Public Health 338.
 - c. Epidemiology: Public Health 354.
 - d. Global health: Public Health 334.

- e. Health policy and management: Public Health 358D.
- f. Social and behavioral sciences: Public Health 368D.
- 3. ~~Two courses with a writing flag. One of these courses must be upper division. Core curriculum~~
- 4. ~~One course with a quantitative reasoning flag. Skills and experience flags:~~
 - a. Writing: two flagged courses beyond Rhetoric and Writing or its equivalent, including one at the upper-division level
 - b. Quantitative reasoning: one flagged course
 - c. Global cultures: one flagged course
 - d. Cultural diversity in the United States: one flagged course
 - e. Ethics and leadership: one flagged course
 - f. Independent inquiry: one flagged course

~~Courses with flags are identified in the *Course Schedule*. They may be used simultaneously to fulfill other requirements, unless otherwise specified.~~

Courses that may be used to fulfill flag requirements are identified in the *Course Schedule*. They may be used simultaneously to fulfill other requirements, unless otherwise specified. Please note, students may not earn the cultural diversity in the United States and the global cultures flags from the same course. Students are encouraged to discuss options with their academic advisers.

Bachelor of Science in Textiles and Apparel

~~All students pursuing an undergraduate degree must complete the University's Core Curriculum.~~

~~In addition, students seeking the Bachelor of Science in Textiles and Apparel must complete the following degree level requirements. In some cases, courses that fulfill degree level requirements also meet the requirements of the core.~~

- ~~1. Two courses with a writing flag. One of these courses must be upper division.~~
- ~~2. One course with a quantitative reasoning flag.~~

~~Courses that carry flags are identified in the *Course Schedule*. They may be used simultaneously to fulfill other requirements, unless otherwise specified.~~

In the process of fulfilling degree requirements, all students must complete:

- 1. Core curriculum
- 2. Skills and experience flags:
 - a. Writing: two flagged courses beyond Rhetoric and Writing 306 or its equivalent, including one at the upper-division level
 - b. Quantitative reasoning: one flagged course
 - c. Global cultures: one flagged course
 - d. Cultural diversity in the United States: one flagged course
 - e. Ethics and leadership: one flagged course
 - f. Independent inquiry: one flagged course

Courses that may be used to fulfill flag requirements are identified in the *Course Schedule*. They may be used simultaneously to fulfill other requirements, unless otherwise specified. Please note, students may not earn the cultural diversity in the United States and the global cultures flags from the same course. Students are encouraged to discuss options with their academic advisers.

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