



OFFICE OF THE FACULTY COUNCIL

THE UNIVERSITY OF TEXAS AT AUSTIN

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March 9, 2018

Provost Maurie McInnis  
The University of Texas at Austin  
MAI 201  
Campus Mail Code: G1000

Dear Provost McInnis,

Enclosed for your consideration and action are proposed changes to the College of Natural Sciences Chapter of the *Undergraduate Catalog, 2018-2020*. The proposals are classified as being of *exclusive* interest to only one college or school and were approved by the Faculty Council on a no-protest basis on March 8, 2018. The authority to grant final approval of this legislation resides with the Texas Higher Education Coordinating Board.

- Proposed changes to the BS in Textiles and Apparel Degree Program (D 16036-16040)
- Proposed changes to the Evidence and Inquiry Certificate (D 16041-16045)

Please let me know if you have questions or if I can provide other information concerning this item.

Sincerely,

A handwritten signature in cursive script that reads "Alan W. Friedman".

Alan W. Friedman, Secretary

General Faculty and Faculty Council

The University of Texas at Austin

Arthur J. Thaman and Wilhelmina Doré Thaman Professor of English and  
Comparative Literature

AWF:dlr Enclosures

ec: Lydia A. Cornell, Administrative Program Coordinator, Provost's Office  
Michelle K. George, Administrative Manager for Faculty Affairs, Provost's Office  
David Vanden Bout, Associate Dean for Undergraduate Education, College of Natural  
Sciences  
Judith M. Quinney, Manager for College of Natural Sciences Records Office

## DOCUMENTS OF THE GENERAL FACULTY

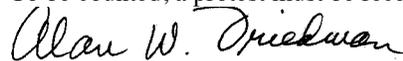
**PROPOSED CHANGES TO THE BACHELOR OF SCIENCE IN TEXTILES AND APPAREL  
DEGREE PROGRAM IN THE COLLEGE OF NATURAL SCIENCES SECTION IN THE  
*UNDERGRADUATE CATALOG 2018-2020***

Dean Linda A. Hicke in the College of Natural Sciences has filed with the Secretary of the Faculty Council the following proposal to change the Textiles and Apparel (TXA) degree program in the College of Natural Sciences chapter in the *Undergraduate Catalog, 2018-2020*. On May 4, 2017, the TXA and College Course and Curriculum Committees approved the proposal; and on September 20, 2017, Associate Dean David Vanden Bout, on behalf of Dean Hicke, approved it. 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 proposal on December 14, 2017, and forwarded it 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 the Texas Higher Education Coordinating Board.

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 March 8, 2018.



Alan W. Friedman, Secretary of the General Faculty and Faculty Council  
The University of Texas at Austin

Arthur J. Thaman and Wilhelmina Doré Thaman Professor of English and Comparative Literature

**PROPOSED CHANGES TO THE BACHELOR OF SCIENCE IN TEXTILES AND APPAREL  
DEGREE PROGRAM IN THE COLLEGE OF NATURAL SCIENCES SECTION IN THE  
UNDERGRADUATE CATALOG 2018-2020**

**Type of Change**       Academic Change  
 Degree Program Change (THECB form required)

**Proposed classification**     Exclusive     General     Major

**1. IF THE ANSWER TO ANY OF THE FOLLOWING QUESTIONS IS YES, THE COLLEGE MUST CONSULT LINDA DICKENS, DIRECTOR OF ACCREDITATION AND ASSESSMENT, TO DETERMINE IF SACSCOC APPROVAL IS REQUIRED.**

- |  |                              |  |
|--|------------------------------|--|
| • Is this a new degree program?                                  | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| • Is this program being deleted?                                 | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| • Does the program offer courses that will be taught off campus? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| • Will courses in this program be delivered electronically?      | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |

**2. EXPLAIN CHANGE TO DEGREE PROGRAM AND GIVE A DETAILED RATIONALE FOR EACH INDIVIDUAL CHANGE:**

Options I and II

Reduce hours from 126 to 120 hours.

**Reason:** Sufficient elective hours to allow for a reduction to 120 hours, enabling students to complete their degrees in a more timely manner.

Reduce overall numbers of upper division coursework outside School of Human Ecology from twelve to nine hours.

**Reason:** This will allow more flexibility in elective classes and allow students to graduate in a more timely manner. We are also routinely approving this petition.

Option II, Merchandising and Consumer Science

Add ECO 301 as an option for the ECO requirement. ECO 301 is a good alternative to ECO 304K.

**Reason:** We are also routinely approving this petition.

Option III, Textiles and Apparel Honors

Change six hours from Fine Arts or Liberal Arts to six hours from Fine Arts and Liberal Arts.

**Reason:** In practice, the Dean's Scholars Program allows students to take 6 hours from a single college or a mixture of six hours from both colleges. The change will synch catalog copy to advising practice and eliminate the need for petitions.

Special Requirements

Standardize language regarding requirements to graduate with Dean's Scholars degree options.

**Reason:** Since the honors options were added at different times as new BS degrees were created, language began to differentiate between degrees. The Dean's Scholars steering committee voted to establish standard language for all of its options.

**3. THIS PROPOSAL INVOLVES (Please check all that apply)**

- Courses in other colleges       Courses in proposer's college that are frequently taken by students in       Flags

- |  |  |   |
|--|--|---|
| <input type="checkbox"/> Course in the core curriculum                           | <input type="checkbox"/> other colleges  | <input type="checkbox"/> Courses that have to be added to the inventory |
| <input type="checkbox"/> Change in admission requirements (external or internal) | <input type="checkbox"/> Change in course sequencing for an existing program   |   |
|  | <input type="checkbox"/> Requirements not explicit in the catalog language (e.g., lists of acceptable courses maintained by department office) |   |

#### 4. SCOPE OF PROPOSED CHANGE

- a. Does this proposal impact other colleges/schools? Yes  No   
 If yes, then how would you do so?  
 The original legislation stated that Dean's Scholars must choose 6 hours from either the College of Liberal Arts (COLA) or the College of Fine Arts (COFA). In practice, students are allowed to count 6 hours from one of the colleges, or a mixture from the colleges. This change will eliminate the need for petitions in situations where students choose to take a mixture of COLA and COFA coursework. In a constant state, the Dean's Scholars Program has approximately 200 majors.  
 There is no way to predict how this change will impact the College of Fine Arts and the College of Liberal Arts. Specific courses are not prescribed and the change is to match catalog language to current advising practice. Making an estimate, perhaps 10 seats per year distributed across all courses in both colleges may be impacted. Because the number of seats across both colleges is estimated to be so small, the College of Fine Arts and the College of Liberal Arts were not formally consulted for permission to make this change.
- 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.

**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.**

How many students do you expect to be impacted?

Impacted schools must be contacted and their response(s) included:

Person communicated with:

Date of communication:

Response:

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

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

Person communicated with:

Date of communication:

Response:

- f. Will this proposal change the number of hours required for degree completion?

Note: THECB Semester Credit Hour Change Form required, download from URL:

<http://www.thecb.state.tx.us/reports/DocFetch.cfm?DocID=2419&format=doc>

If yes, explain:

#### 5. COLLEGE/SCHOOL APPROVAL PROCESS

Department approval date: May 4, 2017  
 College approval date: May 4, 2017  
 Dean approval date: September 20, 2017

TXA Course and Curriculum Committee  
 College Course and Curriculum Committee  
 David Vanden Bout, Associate Dean for Undergraduate Education

**PROPOSED NEW CATALOG TEXT:****BACHELOR OF SCIENCE IN TEXTILES AND APPAREL**

{no change}

**Prescribed Work Common to All Options**

{no change}

**Prescribed Work for Each Option****Option I: Apparel, Functional, and Technical Design**

3. Mathematics 408C, 408N or Statistics and Data Sciences 332
4. One of the following: Mathematics 316, Statistics and Data Sciences 302, 303, 304, 305, 306, or Educational Psychology 371
5. Chemistry 301 or 301H, 302 or 302H, and 204; and Biology 311C
6. The following textiles and apparel courses:
  - a. Core Courses: Textiles and Apparel 301, 205, 105L, 313, 214K, 214L, 328, 331, 260L, and 260M; and two of the following courses: Textiles and Apparel 325L, 325M, and 327
  - b. Option courses: Textiles and Apparel 316L, 126, 226L, 350, 352D, 355C, 164K (Topics 1: *Flat Pattern*, 2: *Draping*, and 3: *Advanced Apparel Design*), and 264L (Topic 1: *Flat Pattern*, 2: *Draping*, and 3: *Advanced Apparel Design*)
7. ~~Thirty-six~~ [36] semester hours of upper-division coursework, of which at least ~~eighteen~~ [18] must be within at least [42] ~~nine~~ must be outside the School of Human Ecology. At least ~~twenty-one~~ [21] semester hours of upper-division coursework must be taken in residence at the University
8. Enough additional coursework to make a total of [426] ~~120~~ semester hours

**Option II: Merchandising and Consumer Sciences**

In addition, students following the merchandising option must complete the following degree-level requirements. In some cases, courses that fulfill degree-level requirements also meet the requirements of the core.

3. Mathematics 408C, 408N, or Statistics and Data Sciences 332
4. One of the following: Mathematics 316, Statistics and Data Sciences 302, 303, 304, 305, 306, or Educational Psychology 371
5. Chemistry 301 or 301H, 302 or 302H, and 204; and Biology 311C
6. Economics ~~301~~ or 304K
7. The following textiles and apparel courses:
  - a. Core courses: Textiles and Apparel 301, 205, 105L, 313, 214K, 214L, 328, 331, 260L, and 260M; and two of the following courses: Textiles and Apparel 325L, 325M, and 327
  - b. Option courses: Textiles and Apparel 316Q, 219C, 119L, 151, 352M, 353, 355P, 361, 376, and 377
8. ~~Thirty-six~~ [36] semester hours of upper-division coursework, of which at least ~~eighteen~~ [18] must be within and at least [42] ~~nine~~ must be outside the School of Human Ecology. At least ~~twenty-one~~ [21] semester hours of upper-division coursework must be taken in residence at the University
9. Enough additional coursework to make a total of [426] ~~120~~ semester hours

**Option III: Textiles and Apparel Honors**

3. Mathematics 408C, 408N, or Statistics and Data Sciences 332
4. Breadth Requirement: An approved calculus course and an approved statistics course (one of these must be honors); Chemistry 301H and 302H; Biology 315H and 325H. Credit earned by examination may not be counted toward this requirement.
5. A section of Undergraduate Studies 302 or 303 that is approved by the departmental honors adviser

6. A section of Rhetoric and Writing 309S that is restricted to students in the Dean's Scholars Honors Program
7. Textiles and Apparel 105L, 205, 327, 328, 260L, and 260M
8. Twenty-two [22] semester hours selected from the three streams of textiles and apparel courses with at least three semester hours in each of the streams: apparel, technical, and functional design; merchandising and consumer science; and textile conservation and museum studies, as well as Human Development and Family Sciences 322 with consent of the honors adviser
9. Six hours of textiles and apparel, including Textiles and Apparel 379H. In all cases, students will be required to conduct research and write a thesis. In some cases, this thesis will be accompanied by a portfolio of work
10. Six additional semester hours from biology, chemistry, computer science, engineering, mathematics or physics. Courses designed for non-science majors may not be counted toward this requirement
11. Six semester hours of coursework [~~in~~ from] the College of Liberal Arts [~~or~~ and/or] the College of Fine Arts
12. Thirty-six [36] semester hours of upper-division coursework. At least twenty-one [21] semester hours of upper-division coursework must be taken in residence at the University
13. Twelve [12] additional semester hours of coursework approved by the departmental honors adviser
14. Enough additional coursework to make a total of 120 semester hours

#### **Option IV: Textile Conservation and Museum Studies**

{no change}

#### **Special Requirements**

Students must fulfill both the University's General Requirements for graduation and the college requirements. They must also earn a grade of at least C- in each mathematics and science course required for the degree, and a grade point average in these courses of at least 2.00. More information about grades and the grade point average is given in the *General Information Catalog*.

To graduate under Option III, students must remain in good standing in the Dean's Scholars Honors Program, must submit an honors thesis approved by the departmental honors adviser, [~~earn grades of at least A- in the departmental research and thesis courses described in requirement 8 above,~~] and must present their research in an approved public forum, such as the college's annual Undergraduate Research Forum. More information about the Undergraduate Research Forum is available at <https://cns.utexas.edu/>.

#### **Order and Choice of Work**

{no change}

## DOCUMENTS OF THE GENERAL FACULTY

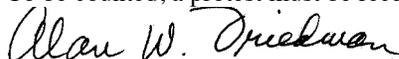
**PROPOSED CHANGES TO EVIDENCE AND INQUIRY CERTIFICATE\_IN\_THE COLLEGE OF  
NATURAL SCIENCES CHAPTER IN THE *UNDERGRADUATE CATALOG 2018-2020***

Dean Linda A. Hicke in the College of Natural Sciences has filed with the Secretary of the Faculty Council the following proposal to change the Evidence and Inquiry Certificate in the College of Natural Sciences chapter in the *Undergraduate Catalog, 2018-2020*. On November 17, 2016, the Evidence and Inquiry Steering Committee approved the proposal, and on September 20, 2017, the Course and Curriculum Committee and Associate Dean David Vanden Bout, on behalf of Dean Hicke, approved it. The Secretary has classified this proposal as legislation of exclusive interest to one college or school.

The Committee on Undergraduate Degree Program Review recommended approval of the proposal on December 14, 2017, and forwarded it 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 the Texas Higher Education Coordinating Board.

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To be counted, a protest must be received in the Office of the General Faculty by March 8, 2018.



Alan W. Friedman, Secretary of the General Faculty and Faculty Council  
The University of Texas at Austin

Arthur J. Thaman and Wilhelmina Doré Thaman Professor of English and Comparative Literature



Date of communication:

Response:

4. **OFFICIAL CERTIFICATE NAME:** Evidence and Inquiry Certificate
5. **PROPOSED IMPLEMENTATION DATE:** N/A
6. **CIP CODE** (administrative unit awarding the certificate): N/A
7. **STATEMENT OF OBJECTIVE:** N/A
8. **NUMBER OF STUDENTS EXPECTED TO RECEIVE THE CERTIFICATE EACH SEMESTER:**  
N/A
9. **NUMBER OF HOURS REQUIRED FOR COMPLETION (Note: If the number of required hours is 21 to 24, THECB form is required):** Twenty-two
10. **LIST FACULTY ON THE CERTIFICATE PROGRAM FACULTY COMMITTEE.**

Name of Faculty Member	College/Department	Title at UT Austin	Highest Degree and Awarding Institution
<b>Huk, Alex. Director</b>	CNS / Neuroscience	Assoc Professor	PhD, Stanford
Aldrich, Richard*	CNS / Neuroscience	Professor	PhD, Stanford
Buskirk, Ruth	CNS / Biology Ins Ofc	Sr. Lecturer	PhD, U of California, Davis
Carlson, Caryn*	COLA / Psychology	Professor	PhD, U of Georgia
Carter, Mia*	COLA / English	Assoc Professor	PhD, U of Wisconsin, Milwaukee
Colgin, Laura*	CNS / Neuroscience	Asst Professor	PhD, U of California, Irvine
Dailey, René*	Moody / Comm Studs	Assoc Professor	PhD, U of Calif, Santa Barbara
De Lozanne, Arturo*	CNS / Molecular Bio.	Assoc Professor	PhD, Stanford
Garza, Thomas*	COLA / Slavic & Eur.	Assoc Professor	EdD, Harvard
Gleason, Marci*	CNS / HDFS	Asst Professor	PhD, New York U
González-Martin, Rachel*	COLA / Mex Amer Studies	Asst Professor	PhD, Indiana U
Jellison, Judith*	Fine Arts / Music	Professor	PhD, Florida State U
Mauk, Mike*	CNS / Neuroscience	Professor	PhD, Stanford
Roberts, Brian*	COLA / Government	Professor	PhD, Washington U
Roberts-Miller, Patricia*	COLA / Rhetoric	Professor	PhD, U of California, Berkeley
Roux, Stanley*	CNS / Molecular Bio.	Professor	PhD, Yale
Sadun, Lorenzo*	CNS / Mathematics	Professor	PhD, U of California, Berkeley
Schnyer, Rosa*	School of Nursing	Clin Asst Prof	DAOM, Oregon College of Acupuncture & Oriental Med
Scott, Mike	CNS / Computer Sci	Sr Lecturer	MS, Rensselaer

**11. ACADEMIC COURSE REQUIREMENTS:** Use this table to identify the courses that qualify for this certificate program.

Course Abbreviation and Number	Course Title	SCH
NSC 109, Topic 4	<i>Topic 4: Polymathic Field Invention</i>	1
NSC 323, Topic 1	<i>Topic 1: Polymathic Capstone Thesis Preparation Seminar # NSC 109, Topic 4</i>	3

**12. OTHER CERTIFICATE REQUIREMENTS:** N/A

**13. GIVE A DETAILED RATIONALE FOR CHANGE(S):** The faculty administering the certificate created NSC 109 (Capstone Field Invention) to address issues that students were having in developing a focus for their interests. The purpose of the course is to help students focus and combine some of their top intellectual interests, identify and consult with faculty with relevant expertise regarding useful courses, and write a cogent description and defense of their Capstone field of study. The course has proven extremely useful in helping students refine their field and improve their writing, in preparation for taking the four courses that will ultimately define their field of study.

The faculty created NSC 323 (Capstone Thesis Preparation Seminar) after realizing that the 1-hour NSC Capstone preparation seminar of previous years allowed insufficient time for the preliminary research and writing necessary for a substantial honors-level thesis. NSC 323 requires a student to develop a bibliography of scholarly readings and notes to support the thesis, a well-formulated research question of appropriate scope that lends itself to an evidence-based answer, written thesis proposal, identification of a faculty mentor to supervise and support the thesis, and a draft outline of the thesis.

Note: The NSC 109 and NSC 323 numbered topics added to the course inventory have been offered for 4 years as unnumbered topic courses. Thus, these new courses do not increase the instructional budget.

**14. COLLEGE/SCHOOL APPROVAL PROCESS:**

Department approval date: November 17, 2016

College approval date: September 20, 2017

Dean approval date: September 20, 2017

Evidence and Inquiry steering committee

Course and Curriculum Committee

David Vanden Bout, Associate Dean for Undergraduate Education

**PROPOSED NEW CATALOG TEXT:**

**MINOR AND CERTIFICATE PROGRAMS**

{no changes up to this point}

**Evidence and Inquiry Certificate**

The Evidence and Inquiry Certificate, pursued by students in the Polymathic Scholars Program and open by application to others, allows students to design an area of study shaped by questions that require evidence and methodologies outside their major. Students work with faculty ~~[and academic consultants]~~ to identify interests, map them onto academic disciplines at the University, and determine questions related to those interests that might be answerable by research that combines expertise from at least two disciplines. Students describe their area of study, identify primary questions, name two University of Texas at Austin faculty members with research experience relevant to their field, and justify the courses they would take in a written proposal that must be ~~[approved]~~ reviewed by a three members [member] of ~~the~~ program's steering committee panel. Students ~~[have the opportunity to present]~~ complete an original research ~~[project]~~ thesis in their final year a

~~[capstone seminar]~~. Those who plan to pursue the certificate ~~[should]~~ must apply ~~[to the program for admission]~~ no later than the end of their third long semester. More information about the Evidence and Inquiry Certificate is available on the College of Natural Sciences website.

The certificate program requires ~~[48]~~ twenty-two semester hours of coursework, including at least ~~nine~~ eleven hours completed in residence. Students must meet the following requirements:

1. Undergraduate Studies 303 (Topic: Originality in the Arts and Sciences) or another critical thinking or research methods substitute course for students who apply for admission after completing a signature course  
~~Critical thinking or research methods course from an approved list available from the adviser. The approved list may include Undergraduate Studies 303, (One of the following subjects: *Originality in the Arts and Sciences*; *Research Methods*; or *Critical Thinking for the 21st Century*). Other subjects or courses may be eligible for substitution by petition.~~
2. Natural Sciences 109 (Topic 4: Polymathic Field Invention)  
~~Four additional courses, including at least six semester hours of upper-division coursework, from the student's approved evidence and inquiry area of study~~
3. Four additional courses, including at least six semester hours of upper-division coursework, from the student's approved evidence and inquiry area of study  
~~Senior Capstone Seminar: Natural Sciences 371~~
4. Senior Capstone Sequence: Natural Sciences 323 (Topic 1: Polymathic Capstone Thesis Preparation Seminar) and Natural Sciences 371

In the College of Natural Sciences, the Evidence and Inquiry Certificate may be used to complement any major. Some certificate courses will also fulfill degree requirements established by the student's major department and are given later in this section; however, some of the ~~[48]~~ twenty-two hours required for the certificate may be in addition to the number of hours required for the degree.