March 31, 2014

Gregory Fenves
Executive Vice President and Provost
The University of Texas at Austin
MAI 201
Campus Mail Code: G1000

Dear Dr. Fenves:

Enclosed for your consideration and action are proposed changes to the College of Natural Sciences chapter of the Undergraduate Catalog, 2014-2016. On March 28, 2014, the Faculty Council approved the legislation on a no-protest basis. The proposal was classified as being of general interest to more than one college or school, and was approved by the Faculty Council on a no-protest basis. The authority to grant final approval on these changes resides with UT System.

- Proposed Changes to the Front Chapter (D 11421-11441)

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

Sincerely,

Dean P. Neikirk, Secretary
General Faculty and Faculty Council

DPN:vec

Enclosure

xc: William Powers Jr., president
Charles Roeckle, deputy to the president

ec (letter only): Linda Hicke, dean, College of Natural Sciences
Alison Danforth, manager, IMA
Brenda Schumann, associate registrar
David Laude, senior vice provost, via Kati Pelletier
DOCUMENTS OF THE GENERAL FACULTY

PROPOSED CHANGES TO THE FRONT CHAPTER IN THE COLLEGE OF NATURAL SCIENCES SECTION OF THE UNDERGRADUATE CATALOG, 2014-2016

Dean Linda A. Hicke in the College of Natural Sciences has filed with the secretary of the Faculty Council the following changes to the College of Natural Sciences section in the Undergraduate Catalog, 2014-2016. The department, the college faculty, and the dean approved the changes on September 24, 2013, February 13, 2014, and February 14, 2014, respectively. The secretary has classified this proposal as legislation as being of general interest to more than one college or school (but not for submission to the General Faculty).

The Committee on Undergraduate Degree Program Review recommended approval of the change on February 26, 2014, and forwarded the proposed changes 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 March 20, 2014.¹

Dean P. Neikirk, Secretary
General Faculty and Faculty Council

¹ On March 18, 2014, because of corrections made to pages 11427, 11428, and 11440, the protest deadline of March 20, 2014, was extended to March 28, 2014.
PROPOSED CHANGES TO THE FRONT CHAPTER IN THE COLLEGE OF NATURAL SCIENCES SECTION OF THE UNDERGRADUATE CATALOG, 2014-2016

Type of Change Academic Change

1. IF THE ANSWER TO ANY OF THE FOLLOWING QUESTIONS IS YES, THE COLLEGE MUST CONSULT NEAL ARMSTRONG TO DETERMINE IF SACS-COC APPROVAL IS REQUIRED.
   - Is this a new degree program? No
   - Does the program offer courses that will be taught off campus? No
   - Will courses in this program be delivered electronically? No

2. EXPLAIN CHANGE TO DEGREE PROGRAM AND GIVE A DETAILED RATIONALE FOR EACH INDIVIDUAL CHANGE (include page numbers in the catalog where changes will be made):

   477-486
   1. College Administration: update list of associate and assistant deans (p. 477)
      Rationale: Personnel changes.
   2. Updated URL addresses (p. 477)
      Rationale: College updated website and all URL addresses changed.
   3. Admission and Registration, updated and added (p. 478-479)
      a. Admission Policies of the College: addition of sections on freshman, internal, and external admissions to the college.
         Rationale: The college will establish internal and external admission requirements to assist students in adequately preparing for academic careers in science. Criteria proposed mirror expectations of students already in the college who successfully complete a degree in the college and seek to expose students to entry-level courses and better understand potential educational and professional goals obtainable with a science or mathematics degree before making the commitment to pursue a 4 year degree in the college. Students enrolled in another college at UT who are not admitted to the College of Natural Sciences will have the option to pursue coursework in the college through core classes or certificate programs.
      b. The Entry-Level Major: addition of an admissions process into the Computer Science Entry-level major.
         Rationale: The Department of Computer Science faculty determined that raising the overall grade point average will help ensure the success of those students entering the entry-level major. The change is also intended to help with enrollment control.
      c. Adding a Simultaneous Major or Changing Majors.
         Rationale: Students will be asked to discuss the impact of adding a simultaneous major on timely graduation.
      d. The Major in Computer Science: Addition of 2.5 GPA in residence for internal transfers for students in natural sciences and also outside of the college. Addition of the BSA degree in the last paragraph.
         Rationale: The Department of Computer Science instituted changes to the entry-level requirements as described above under 3a.
      e. Bachelor of Arts, the Bachelor of Science and Arts, and the Bachelor of Science in Computer Science, Option I and V: The department added CS 311 or 311H; removed CS 313K and calculus; reduced the number of entry-level courses from four to three; removed the minimum of three of the courses to be completed in residence; changed the minimum grades from C to C-; changed the minimum GPA to 2.75; and added a statement that students who are denied may appeal.
         Rationale: CS 311 or 311H are the new theory courses required for the degree; CS 313K has been deleted from the course inventory; a large number of students place out of the first calculus course, and the second calculus course is no longer required for the degrees; the department has a significant number of students with approved substitutions for which the department will consider transfer grades toward the minimum 2.75 GPA; the C- grade aligns with the college's requirement of minimum of C- grades in math and science courses counted toward degree requirements; the students who are not admitted may appeal their admission to the major.
      f. Bachelor of science in computer science, Option I: remove paragraph.
**Rationale:** Dropping calculus as an admission requirement also allows the department to evaluate students for admission to 3 majors (BA, BSA, and BS Option I) through one process.

g. Coordinated Program in Dietetics: update chemistry requirements (delete CH 339K and 339L; update CH to BCH.

**Rationale:** CH 339K and 339L are no longer being taught. Change of field of study.

h. Bachelor of Science in Neuroscience, Option I: add admission requirements.

**Rationale:** The Department of Neuroscience proposes selective admission to the BS in Neuroscience program. The program is research intensive, requiring four upper-division laboratory courses and at least 3 hours of independent research in a faculty laboratory. The laboratory courses and research laboratories will be unable to accommodate the number of students who have expressed interest in the program. The Department can offer only four upper-division laboratory courses, which accommodate approximately 180 students per year. In addition to serving the BS in Neuroscience program, these courses are available to BS biology/neurobiology majors, who number over 400. The laboratory courses are consistently wait-listed. Selective admissions will enable the department to allocate seats to the students who are best positioned to benefit from these rigorous advanced courses. Students who are denied may reapply up to two times. The admissions criteria enable students to apply for admission as early as the end of the first year. Students who are not admitted can enter the ESA Neuroscience program with no loss of credit hours, or they can enter the BS Biology/Neurobiology program with the loss of not more than one or two courses.

i. The Major in Public Health. Second paragraph: Update name of advising center in natural sciences

**Rationale:** The new name, Center for First-Year Advising, more appropriately describes the mission of the center.

j. Fourth paragraph: Change name to Department of Molecular and Biosciences.

**Rationale:** The School of Biological Sciences dissolved to form separate departments.

k. The Major in Textiles and Apparel (TXA): Add description for admission into the textiles and apparel field experience programs.

**Rationale:** Recently a director of internships was established to provide consistent integrity across all internships. As a result, the description of the internship process and procedures has been reworked. It is the responsibility of the director to serve as the face of TXA and to approach various host sites requesting their participation in the internship program and explaining the responsibilities inherent in hosting a student intern. The director also coordinates a placement day(s) wherein competitive interviews are held and students are matched with an internship site. The director maintains a working relationship with the hosts. It is possible another faculty member will work with the interning student assuming the responsibility to provide the academic program and interact directly with the student and the host. Each of the options has a slightly different approach to the actual internship to best meet the needs of that option. Descriptive paragraphs define the procedure for each option.

4. **Academic Standards**


**Rationale:** Graduates in several fields of study in the college are better prepared for professional careers and graduate school with a background in statistics rather than in calculus.

b. **Repetition of a Course.** In the second paragraph, strike the phrase “in the College of Natural Sciences”.

**Rationale:** The policy applies to all students whether they are in the College of Natural Sciences or not.

c. Change Honors heading and provide brief overview on honors opportunities at the University, college, and departmental level.

**Rationale:** The various honors degrees, programs, and designations are not well-defined for prospective students and their parents to understand. The introductory paragraphs assist in providing a context for the detailed descriptions that follow.

d. Change Honors to University-wide Honors: The following paragraph describes University-wide Honors.

**Rationale:** The following paragraph describes University-wide Honors.
e. Health Science Scholars Program: Add a paragraph describing the college-wide Health Science Scholars Program.
**Rationale:** The Health Science Scholars Program offers exceptional students in the College of Natural Sciences with an interest in health professions a unique opportunity to enrich their undergraduate education.

f. Polymathic Scholars Program: Add a paragraph describing the college-wide Polymathic Scholars Program.
**Rationale:** The Polymathic Scholars is a program for honors students in natural sciences with interests that stretch beyond their major.

g. College Honors: Change College Honors Programs to College Honors. Strike the paragraph titled Departmental Honorary Societies. Strike the word “Programs” off of the departmental honors titles.
**Rationale:** The departmental honors designations are earned by students who do are not in an organized honors program. Rather, the students enter a two-semester research sequence that culminates in writing an honors research thesis. The departmental honorary societies paragraph is a legacy statement. The college and departments do not select students for these societies. Therefore, the paragraph’s inclusion in the academic section is misleading. The college honors center may advertise and assist students with determining how they apply.

5. Graduation
a. Special Requirements of the College: Strike the requirement of a minimum of thirty of the sixty hours in residence from the College of Natural Sciences or the College of Liberal Arts. Update in absentia graduation website.
**Rationale:** Through long-standing practice, the college follows the residency requirements prescribed in the degrees. The language may be a holdover from the catalog in which the College of Arts and Sciences was split into two separate colleges. The college recently updated its website.

b. Applying for Graduation: Update the graduation application website.
**Rationale:** The college recently updated its website.

6. Degrees and Programs.

a. Strike the first paragraph and list the majors by degree that students may seek.
**Rationale:** The college added the Bachelor of Science and Arts and desired to more fully describe its degrees for students.

b. Add the Bachelor of Science and Arts to list for which students may earn only one degree.
**Rationale:** The degree is structured to allow students to choose between e[ven] majors, with only 1 BSA that may be earned.

c. Courses in a Single Field: Identify the thirty-nine hour restriction with the Bachelor of Arts, Plan I, degree.
**Rationale:** The college has two other degree plans that are not shared with the College of Liberal Arts – the BSA and the BS degrees. These degrees do not contain this restriction. Some BS degrees require more than thirty-nine hours in the major field of study.

d. Add in the Bachelor of Science and Arts.
**Rationale:** New degree approved effective fall 2014.

e. Limit the number of degrees that may be earned in a single field of study to one.
**Rationale:** Students may enroll in an extra semester to earn both a BA and a BS in the same field of study. An additional degree in the same field of study does not appreciably increase qualifications for graduate or professional school or for careers.

f. Students who earn a BA or BSA may earn a second major designation in another field of study.
**Rationale:** The BA and BSA degrees provide general frameworks for multiple majors. At times, it is appropriate for students to earn multiple majors.

g. Strike the ability to earn second major designations for students who hold Bachelor of Science degrees.
**Rationale:** The additional major does not appreciably increase qualifications for graduate or professional school or for careers.

h. Addition of a statement that students wishing to add another major must meet established criterion.
**Rationale:** Students who wish to declare a simultaneous major must first meet with their academic advisor to discuss the effect on their timely graduation.
i. Courses Taken on a Pass/Fail Basis: Limit pass/fail hours on the BSA and BS degrees in the college to six hours.  
**Rationale:** Students in the BSA and BS degree programs have fewer elective hours in their degrees than sixteen. The six hours still provides an opportunity for students to lighten their course-loads if they wish.

7. Transcript-Recognized Certificate Programs  
   a. Addition of the Forensic Science Certificate.  
      **Rationale:** Certificate approved by CUDPR on December 11, 2013.  
      **Rationale:** Statistics and Scientific Computation is now Statistics and Data Sciences.  
   c. Texas IP changed to Evidence and Inquiry Certificate.  
      **Rationale:** Certificate changes approved by CUDPR on April 29, 2013.  
   d. Addition of Food and Society Certificate.  
      **Rationale:** Certificate approved by CUDPR on December 11, 2013.  
   e. Addition of Pre-Health Professions Certificate.  
      **Rationale:** Certificate approved by CUDPR on April 29, 2013. [Note: revisions will be submitted to Pre-Health Professions Certificate.]  
      **Rationale:** Title more accurately reflects content of certificate (includes exhibit preparation, etc).  
   g. Addition of the UTeach Natural Sciences Secondary Teaching Option Certificate.  
      **Rationale:** Certificate approved by CUDPR on April 29, 2013.

3. **SCOPE OF PROPOSED CHANGE**  
   a. **Does this proposal impact other colleges/schools?** Yes  
      If yes, then how? First time in college freshmen in other colleges will only be able to transfer after spring semester of freshman year. Internal transfer students will be able to transfer only after successful application to CNS, matching criteria proposed for external transfer students. These policies apply to students outside CNS wishing to add a CNS major. Note: the impacts of courses from other colleges in certificates are addressed on the individual certificate proposals.
   b. **Will students in other degree programs be impacted (are the proposed changes to courses commonly taken by students in other colleges)?** Yes  
      If yes, then how? Note: the impacts of courses from other colleges in certificates are addressed on the individual certificate proposals.
   c. **Will students from your college take courses in other colleges?** Note: the impacts of courses from other colleges in certificates are addressed on the individual certificate proposals.  
      If 3 a, b, or c was answered with yes:  
      Note: the impacts of courses from other colleges in certificates are addressed on the individual certificate proposals.

**How many students do you expect to be impacted?** 1000 annually

Approximately 1000 students impacted annually by the changes to admission and transfer policies.

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

Individuals contacted concerning admission and transfer policies:

- Person communicated with: Brent Iverson, Larry Abraham, School of Undergraduate Studies  
  Response: No problems with the proposed legislation (Larry Abraham). Some clarifications needed on the courses and grades required for admissions to CNS, and will need to closely work with UGS advisors to educate students that the criteria are flexible so as to identify promising students.
- Person communicated with: David Platt, associate dean, McCombs School of Business  
  Response: No problems with the proposed legislation.
- Person communicated with: Mark Bernstein, associate dean, Moody College of Communications  
Response: No problems with the proposed legislation.

- Person communicated with: Gerald Speitel, associate dean, Cockrell School of Engineering
  Response: Sacha, I have no concerns about these proposals, but I am happy to find some time to meet if you would like.

- Person communicated with: David Platt, associate dean, McCombs School of Business
  Response: No problems with the proposed legislation.

- Person communicated with: Richard Flores, associate dean, College of Liberal Arts
  Response: Proposal looks fine.

d. Does this proposal involve changes to the core curriculum or other basic education requirements (42-hour core, signature courses, flags)? No

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:

e. Will this proposal change the number of hours required for degree completion? No

If yes, explain:

4. COLLEGE/SCHOOL APPROVAL PROCESS

Department approval date: (1-2, 3e) September 10, 2013; (3a-3d) September 4, 2013; (3f) September 12, 2013;
(3g) September 24, 2013; (3h) April 30, 2013; (4-6) September 24, 2013

College approval date: (1, 2) September 27, 2013; (3a-3d, 3f) September 25, 2013; (3c) September 11, 2013; (3g) September 25, 2013; (3h) May 7, 2013; (4-6) September 25, 2013,
(3a-c, 4b, 6e-h) February 13, 2014

Dean approval date: September 30, 2013; (3a-c, 4b, 6e-h) February 14, 2014

PROPOSED NEW CATALOG TEXT:

COLLEGE OF NATURAL SCIENCES

Linda A. Hicke, PhD, Dean
Dean Appling, PhD, Associate Dean, Research and Facilities
[Reginald C. Baptiste, MD, Associate Dean, Health Professions]
Sacha E. Kopp, PhD, Associate Dean, Undergraduate Education
[Michael P. Markee, PhD, Associate Dean, Mathematics and Science Education]
Shelly Payne, PhD, Associate Dean, Faculty Affairs
Kelsey A. Evans, BA [Kay T. Thomas, MFA]², Associate Dean, External Relations
Ricardo Medina, MBA CPA [Deborah Fuller], Assistant Dean, Business Affairs and Administration
Susan C. Harkins, EdD, Assistant Dean, Texas Interdisciplinary Plan
Michael W. Raney, PhD, Assistant Dean, Student Affairs and First-Year Initiatives
[Sarah L. Simmons, PhD, Assistant Dean, Honors, Research, and International Studies
Catherine A. Stacy, PhD, Senior Assistant Dean, Academic Records and Initiatives] Strategy and Planning

² Update received March 19, 2014.
GENERAL INFORMATION
{No changes to this section.}

ADMISSION AND REGISTRATION

Admission Policies of the College
Admission and readmission of undergraduate students to the University is the responsibility of the director of admissions. Information about admission to the University is given in General Information, available at http://registrar.utexas.edu/catalogs/.

Freshman and transfer students wishing to enter the College of Natural Sciences must apply for admission with the Office of Admissions. The College of Natural Sciences works jointly with the Office of Admissions to identify applicants who have demonstrated preparation and interest in mathematics and sciences. A student must be admitted to the college to pursue a degree program described in this chapter. A student who is denied admission to the college may seek to enter another college or school.

Freshman Admission
Applicants should be prepared to make the necessary placement scores on the placement exams for calculus or statistics upon admission into the college. Mathematics, in the form of calculus or statistics, is required for all natural sciences degrees. To enroll in a calculus or statistics course in the college, students must first take the mathematics placement exam. Information about scores necessary for placement are posted by the Student Division at http://cns.utexas.edu/academics/college-readiness/.

Internal Transfer
Students enrolled in other colleges or schools at the University may apply by April 15th to be considered for admission into an entry-level major in the following fall semester. If April 15th falls on a weekend or an official university holiday, the application is due on the next business day.

Admission to the college is limited and competitive. To be [competitive] considered,3 students should:

1. Complete a minimum of twenty-four semester hours in residence.
2. Achieve a grade point average of at least 3.0 in residence.3
3. Complete one of the following courses in residence [with a grade of at least B]:3 Mathematics 408C, 408D, 408K, 408L, 408N, 408M, 408S, and Statistics and Data Sciences 302.
4. Complete two of the following courses in residence [with grades of at least B]:3 Biology 311C, Chemistry 301, 302, Physics 303K, and 303L, or majors level equivalents.
5. Submit an essay describing how the intended major would impact achievement of the educational and career goals.

[Meeting all of the criteria does not guarantee admission. Students who do not meet all of the criteria are welcome to apply.]3 Students may also submit evidence of scientific achievements in the form of a resume or other document, if desired. Students should consult the College of Natural Sciences web site for transfer admissions for more information on competitive qualifications for admission, http://cns.utexas.edu/students/future/internal-transfer/.

External Transfer
Students enrolled at other universities who wish to enter the College of Natural Sciences must apply for transfer admission through the Office of Admissions. Students must meet transfer admission deadline and requirements.

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3 On March 31, 2014, the College of Natural Sciences submitted non-substantive editorial changes for the external transfer policy discussion agreed upon with the School of Undergraduate Studies.
Admission to the college is limited and competitive. To be [competitive] considered, it is recommended that students should:

1. Complete a minimum of thirty transferable semester hours.
2. Achieve a grade point average of at least 3.0.
3. Complete the transfer credit equivalent to one of the following courses [with a grade of at least B]: Mathematics 408C, 408D, 408K, 408L, 408N, 408M, 408S, Statistics and Data Sciences 302, and Mathematics 316.
4. Complete two of the following courses [with grades of at least B]: Biology 311C, Chemistry 301, 302, Computer Science 311, 312, Physics 303K, and 303L, or majors level equivalents.
5. Submit an essay describing how the intended major would impact achievement of the educational and career goals.

[Meeting all of the criteria does not guarantee admission. Students who do not meet all of the criteria are welcome to apply.] Students may also submit evidence of scientific achievements in the form of a resume or other document, if desired. Students should consult the College of Natural Sciences web site for transfer admissions for more information on competitive qualifications for admission, http://cns.utexas.edu/students/future/external-transfer.

The Entry-Level Major

All new freshman and transfer students are admitted into the College of Natural Sciences in an entry-level major. After completing a specified set of entry-level mathematics and science courses required for the degree with a grade of at least C- in each course, students are admitted to the major and option they plan to pursue unless the major or option has special admission-to-major requirements.

Students who wish to pursue computer science but who were not admitted to the entry-level major by the Office of Admissions must have a minimum overall grade point average of 2.5 in residence at the University to transfer into the entry-level major. If a student completes transfer courses approved as substitutes for the entry-level courses, he or she may also count the grades of the approved substitutes toward the minimum overall grade point average of 2.5 for admission into the entry-level major. A student who is not admitted may submit an appeal to the department for consideration.

Adding a Simultaneous Major or Changing Majors

Students interested in declaring a simultaneous major must first discuss the impact of the simultaneous major on their progress toward degree and develop a timely graduation plan with their academic advisors. Students approved to declare a simultaneous major must follow the application procedure and meet admission requirements that have been established for the simultaneous major. At minimum, students must complete thirty semester hours of coursework in residence at the University. Students interested in changing majors must meet the entry-level or admission requirements of the major they wish to enter.

Admission-to-Major Requirements

The Major in Computer Science

Several programs are available to undergraduates who wish to major in computer science. Each program involves an admission process in addition to the student’s application for admission to the University. All students may apply to the University as entry-level computer science majors and later seek admission to one of the computer science programs as described in this chapter; those seeking admission to the Turing Scholars program may also apply to that program when they apply for admission to the University. Students who were not admitted to the entry-level major by the Office of Admissions must have a minimum overall grade point average of 2.5 in residence at the University to transfer into the entry-level major. A student who is not admitted may submit an appeal to the department for consideration.

On March 18, 2014, the following additions were made to #3 as they had been omitted in error: “the transfer credit equivalent to” and “, and Mathematics 316.”
Admission requirements for the Bachelor of Arts with a major in computer science, the Bachelor of Science and Arts with a major in computer science, the Bachelor of Science in Computer Science, option I, and the Integrated Program are given below. Those for the Bachelor of Science in Computer Science, option II, Turing Scholars honors, and option III, computer science honors, are given on pages 543–544.

**Bachelor of Arts The Bachelor of Science and Arts, and the Bachelor of Science in Computer Science, Option I and Option V [and Bachelor of Science in Computer Science, Option I and Option V]**

To apply for admission to [either] the Bachelor of Arts, the Bachelor of Science and Arts, or the Bachelor of Science in Computer Science, option I or option V [or the Bachelor of Science in Computer Science, option I or option V] degree programs, the student must earn a grade of at least C- in each of [four] three entry-level courses: Computer Science 311 or 311H, 312 or 312H, [313K,] and 314 or 314H[. and Mathematics 408C or 408N 408D or 408S or 408L. Students must complete at least three of these courses in residence at the University, and must earn a grade point average of at least 2.5 in the four entry-level courses taken in residence and a grade point average of at least 2.0 in all courses taken in residence.] It is recommended that he or she complete all of the entry-level courses in residence at the University. However, he or she may request that transfer courses be approved as substitutes for the entry-level courses. The letter grades for approved transfer courses will be used in combination with entry-level courses taken in residence to calculate the grade point average required for admission to the major. He or she must earn a grade point average of at least [2.5] 2.75 in the [four] three entry-level courses taken in residence or out of residence, and a grade point average of at least 2.0 in all courses taken in residence. A student who is not admitted may submit an appeal to the department for consideration. Those requirements apply to entry-level computer science students seeking admission to one of these two computer science programs: the Bachelor of Arts major in Computer Science, the Bachelor of Science and Arts major in Computer Science, and the Bachelor of Science in Computer Science, option I and option V.

Students are evaluated after the end of each fall semester, spring semester, and summer session by the Department of Computer Science Admission Committee. Students should consult advisers in the College of Natural Sciences Department of Computer Science for information about admission to the major.

**The Integrated Program in Computer Science**

The Integrated Program is a curriculum of undergraduate and graduate coursework that allows the student to earn the Bachelor of Science in Computer Science and the Master of Science in Computer Science, the Master of Science in Information Studies, or the Master of Science in Computational Science, Engineering, and Mathematics degrees at the same time. The [curriculum] integrated Master of Science in Computer Science includes the same coursework as the traditional master's degree program, as well as the opportunity for research. The Integrated Master of Science in Information Studies allows students to choose a pathway for completing a capstone and electronic portfolio, comprised of a professional experience project, a master's report, or a thesis. The integrated Master of Science in Computational Science, Engineering, and Mathematics includes the same coursework as the traditional Computational Sciences, Engineering and Mathematics master's degree program and also offers opportunity for research.

Students in the Integrated Program are expected to become leaders in the profession. Highly motivated students with the personal qualities and intellectual capacity to establish successful careers in higher education and industry are encouraged to apply.

Undergraduates typically follow option I, II, or III for their first three years, then enter the Integrated Program in their fourth year. Admission is granted only for the fall semester; January 2 is the application deadline for those who wish to begin the program the following fall. By the end of the spring semester in which they apply, students must have completed at least sixty semester hours of coursework, including Computer Science 345 or 345H, 429 or 429H, and 353 or 357 or 357H.

Admission is based on the applicant's grade point average, letters of recommendation, statement of purpose, and SAT Reasoning Test or ACT scores, as well as other relevant examples of academic ability and leadership. An applicant with a University grade point average of less than 3.50 is unlikely to be admitted. Admission may be restricted by the availability of instructional resources. Application materials and information about deadlines are published by the Department of Computer Science, available at http://www.cs.utexas.edu/.
Before beginning the fifth year, students in the Integrated Program must be admitted to the Graduate School and the graduate program in the Department of Computer Science, the School of Information, or the Institute of Computational Science, Engineering, and Mathematics. Application forms must be completed by January 2 of the student's fourth year. Before the application deadline, students must have completed the prescribed work common to all Bachelor of Science in Computer Science options. They must earn an acceptable score on the Graduate Record Examinations General Test (GRE) and must have their test scores reported to the University. Students usually take the GRE in the fall semester of their fourth year.

**The Coordinated Program in Dietetics**
Freshman and transfer applicants to the University who plan to enter the Coordinated Program in Dietetics (CPD) should begin in the entry-level major in nutrition. When they have met the requirements described below, students may apply for admission to the CPD.

Prior to applying for admission to the CPD, students must complete at least sixty semester hours of the coursework required for the Bachelor of Science in Nutrition, option I, including Biology 325 or 325H, and 365S; Chemistry 369; Biochemistry 369 or both 339K and 339L; and Nutrition 307, 107L, 312 or 312H, 112L or 312R, 315, and 326. A list of other recommended courses is available from the School of Human Ecology. Students must have a grade point average of at least 2.70 in coursework taken in residence at the University. Students should consult advisers in the School of Human Ecology for information about the application process and deadlines. Application materials are available from the school.

The number of applicants to the CPD may exceed the number that can be adequately instructed by the faculty and accommodated within available facilities. Admission decisions are based on the student's biology, chemistry, and nutrition grade point average, his or her University grade point average, and other factors. These factors include, but are not limited to, the difficulty of the student's coursework, work or volunteer experience, leadership, commitment to the profession of dietetics, and personal interview. Students whose applications are denied may reapply.

**The Bachelor of Science in Environmental Science**
{No changes to this section.}

**Bachelor of Science in Neuroscience, Option I**
Prior to applying for admission to the Bachelor of Science in Neuroscience, option I, degree program, the student must earn grades of at least B- in Neuroscience 330 or Biology 365R, and Neuroscience 335. Neuroscience 330 or Biology 365R, and Neuroscience 335 must be taken in residence. The student must also complete any of the following courses, with grades of at least C+: Biology 311C, 311D, 315H, and 325H; Chemistry 301, 301H, 302, 302H, and 204; Mathematics 408C, 408D, 408N, 408S, 408M, 427K, and 427L; and Physics 301, 316, 303K, 303L, 317K, and 317L. To be competitive for admission, the student should have a combined grade point average of at least 3.0 in the six courses required for admission. Entry-level majors are encouraged to take Neuroscience 330 in the fall of their first year, and Neuroscience 335 in the spring of their first year.

To apply, the student should consult advisers in the Center for First-Year Advising for information about the application process and deadlines. Applications are evaluated after the end of each fall and spring semester by the Department of Neuroscience. Students whose applications are denied may reapply twice through the supplemental admission process. Admission decisions are based on a number of factors including but not limited to the student's grade point average, course load difficulty, and written statement about their commitment to a future in the field of neuroscience.

**The Major in Public Health**
To apply for admission to the public health degree program, the student must have earned a grade of at least C- in Biology 311C and 311D or 315H; Chemistry 301 or 301H and 302 or 302H; and Mathematics 408C or 408N; and a grade of at least B- in Public Health 317. To be competitive for admission, the student must have a grade point average of at least 2.75 in these six courses.
Applications are evaluated after the end of each fall and spring semester. Students whose applications are
denied may reapply through the supplemental admission process the following semester. Admission decisions
are based on the student’s grade point average in the basic sequence courses, his or her University grade point
average, and other factors; these factors include, but are not limited to, the difficulty of the student’s course
load, course repetitions, and proven mathematical ability. Students should consult advisers in the College of
Natural Sciences Center for First-Year Advising [Transitional Advising Center (TRAC)] for information about
the application process and application deadlines.

Students who plan to follow option II, public health honors, must be admitted to the Dean’s Scholars Honors
Program.

To apply for admission to option III, the student must already be admitted to option I. The option I student may
apply for admission to option III upon completion of the fourth semester with a grade point average of at least
3.4. The eligible option I student may apply to option III and the Master of Public Health program following the
admission schedule and policies of the School of Public Health at the University of Texas Health Sciences
Center at Houston. The application is typically completed during the fifth semester of the Bachelor of Science
in Public Health, Option I. Admission to option III requires approval by the [School of Biological Sciences]
Department of Molecular and Biosciences at the University of Texas at Austin and the School of Public Health
at the University of Texas Health Sciences Center at Houston at the Austin Regional campus.

The Major in Textiles and Apparel
Admission to the Field Experience Programs

All textiles and apparel students must complete a field experience. All textiles and apparel students must
complete a field experience. The internship experience facilitates learning through the blending of theory and
practice. The program is a cooperative effort involving three major participants: the student, the sponsoring firm
or site supervisor, and the faculty coordinator.

[Admission to the field experience programs is subject to the approval of the faculty admission panel. Option I,
apparel design and conservation, includes a three-semester-hour field experience, the Apparel Design or
Conservation Internship Program, offered as Textiles and Apparel 352D; students usually complete the
internship during the senior year. The student must apply for admission to the internship program the semester
before he or she plans to enter it. Application forms are available from the School of Human Ecology. Before
they apply, students must complete the following courses with a grade of at least C: in each: Textiles and
Apparel 205, 105L, 212K, 212L, 316L, 219C, 119L, 126, 226L, 164K (Topic 1: Flat Pattern), and 264L (Topic
1: Flat Pattern).

[Option II, retail merchandising, includes a nine-semester-hour field experience program, the Retail
Merchandising Internship Program, offered as Textiles and Apparel 315K, 352M, and 355P; students normally
complete the internship during the senior year. The student must apply for admission to the program the
semester before he or she plans to enter it; materials, information about deadlines, and directions for application
are available from the School of Human Ecology. Before they apply, students must complete the following
courses with a grade of at least C: in each: Textiles and Apparel 205, 105L, 212K, 212L, 316Q, 219C, 119L, and
376; Marketing 320F or Advertising 318J; Accounting 310F; Mathematics 408C, 408N, or the equivalent;
Mathematics 316, Statistics and Scientific Computation 302, 303, 304, 305, or 306 or Educational Psychology
371; and Communication Studies 306M. Before beginning the internship, students must successfully complete
competitive interviews with representatives from participating retail establishments.]

The primary purpose of the program is to provide students with a realistic view of their profession through
actual work experience in a professional environment. Experiences in the field setting challenge the student
developmentally by providing an opportunity for both cognitive and effective learning, as well as fundamental
changes in attitude, work habits, and maturity level.

Before beginning the internship, students will be expected to participate in interviews with representatives from
participating sites. These interviews are designed to prepare students for a competitive marketplace. To ensure a
placement that best meets the professional needs of each student, the program partners with organizations and
support industries over a wide geographic area. The program director must approve all sites prior to a student's acceptance of the internship. Once a student accepts an approved internship, the placement is binding. The intern may or may not receive compensation, depending on the policy of the host site. During the internship, the student is responsible for all assignments given by the faculty coordinator and the internship site. The interning student is also responsible for housing, relocation arrangements, and expenses.

Materials, information about deadlines, and directions for application are available from the Director of Internships in Textiles and Apparel.

**Option I: Application Process for Apparel, Functional, and Technical Design Internship**

Students must apply to and be admitted to the Apparel, Functional, and Technical Design Internship Program the semester before they plan to participate in their Apparel, Functional, and Technical Design Internship. As prerequisites to enrollment to the internship, students must complete the following courses with a grade of at least C- in each: Textiles and Apparel 301, 205, 105L, 313, 214K, 214L, 316L, 164K1 Flat Pattern, 264L1 Flat Pattern, and 355C.

**Option I: Apparel, Functional, and Technical Design Internship Semester:** Textiles and Apparel 352C. Students may opt to take additional course work during this semester.

**Option II: Application Process for Merchandising and Consumer Sciences Internship**

Students must apply to and be admitted to the Merchandising Internship Program the semester before they plan to participate in their Merchandising Internship Block. Prerequisite to enrollment in the Merchandising Internship Block, students must complete the following courses with a grade of at least C- in each: Textiles and Apparel 301, 205, 105L, 313, 214K, 214L, 316Q, 219C, 119L, 151, and 376. The Merchandising and Consumer Sciences Internship Block is to be completed during the senior year serving as the capstone experience for Merchandising and Consumer Sciences majors.

**Option II: Merchandising and Consumer Sciences Internship Semester**

The Merchandising Internship Block is comprised of four internship courses: TXA 352M, 353, 355P, and 377, as well as a placement in an approved field experience, all taken concurrently. Students may not enroll in additional coursework during the semester.

**Option III: Application Process for Textile Conservation and Museum Studies Internship**

Students must apply to and be admitted to the Textile Conservation and Museum Studies Internship Program the semester before they plan to participate in their Conservation Internship. As prerequisites to enrollment in the internship, students must complete the following courses with a grade of at least C- in each: Textiles and Apparel 301, 205, 105L, 313, 214K, 214L, 151, 354C, 354D, 354E, 354F, 355D. The Textile Conservation and Museum Studies Internship is to be completed during the senior year serving as the capstone experience for Textile Conservation and Museum Studies majors.

**Option III: Textile Conservation and Museum Studies Internship Semester:** Textiles and Apparel 652C. Students may opt to take additional course work during this semester.

**ACADEMIC POLICIES AND PROCEDURES**

**Academic Standards**

**[Calculus] Mathematics Placement**

[Calculus is a required course] Mathematics, in the form of calculus or statistics, is required for all natural sciences degrees. To enroll in a calculus or statistics course in the college, students must first take the mathematics placement exam. Scores necessary for placement into specific mathematics and statistics courses are posted by the Student Division at http://cns.utexas.edu/academics/college-readiness/. More information about scores and course placement is available from academic advisers.
Repetition of a Course
No student may enroll in any course in the College of Natural Sciences more than twice, even if the course is needed to meet degree requirements, without first obtaining the written consent of his or her major adviser and of the department that offers the course; students in colleges other than the College of Natural Sciences need only departmental approval. A symbol of $Q$ or $W$ counts as an enrollment unless it has been approved by the dean’s office for nonacademic reasons.

A student in the College of Natural Sciences may not repeat any course in which he or she has earned a grade of C- or better.

Departments in the college may have additional requirements for students who repeat courses.

Concurrent Enrollment
{No changes to this section.}

Undergraduates in a Graduate Course
{No changes to this section.}

Petitions for Degree Requirements
{No changes to this section.}

Honors
There are several avenues available for undergraduates to achieve honors recognition for exemplary academic ability and performance. They include: University-wide Honors, graduation with University Honors, college-wide honors programs, departmental honors degree options, and completion of departmental honors. University-wide Honors consists of recognition each fall and spring for students who meet the university criteria for University Honors. Graduation with University Honors consists of recognition at the time of graduation to a percentage of the college’s graduates for students who meet the university criteria for graduating with University Honors.

The College of Natural Sciences offers Bachelor of Science and Arts and Bachelor of Science honors degree options. These honors degrees are available to students in the Dean’s Scholars Program, the Health Science Scholars Program, and the Polymathic Scholars Program. Each program has its own admission process and requirements for participants to remain in good standing. The College of Natural Sciences Honors Center is available for inquiries about admission and requirements.

Honors degree options that are sponsored by departments include the Turing Scholars in Computer Science, Honors in Advanced Human Development and Family Sciences Program and the Honors in Advanced Nutritional Sciences Program. Lastly, students may earn departmental honors upon graduation through completion and approval of an undergraduate thesis.

University-wide Honors
Information relating to University-wide Honors can be found in General Information available at http://registrar.utexas.edu/catalogs/. In addition, the College of Natural Sciences encourages academic excellence through programs such as the Dean’s Scholars Honors Program and Turing Scholars in Computer Science. Students may also graduate with departmental honors as described below and may earn membership in one or more of the honorary scholastic societies open to undergraduates.

Graduation with University Honors
{No changes to this section.}

Dean’s Scholars Honors Program
{No changes to this section.}
Health Science Scholars Program
The Health Science Scholars Honors Program is intended for students whose interest in science is focused on clinical careers and healthcare practice or policy. Health Science Scholars complete a major within a field in the College of Natural Sciences as well as an interdisciplinary minor which complements their science interest and prepares them for health professions, policy, or business. Students complete a departmental honors thesis or a health-related internship/practicum and a thesis that synthesizes and analyzes scholarly literature related to the internship/practicum. Health Science Scholars pursue a Bachelor of Science and Arts honors degree. Application to the Health Science Scholars Program is separate from, and in addition to, application to the University. Application materials and information about deadlines are available at: http://cns.utexas.edu/honors/health-science-scholars.

Polymathic Scholars Program
The Polymathic Scholars Honors Program appeals to students with a strong interest in the sciences, but who also have strong scholarly interests beyond their major. Polymaths design an interdisciplinary minor field of study—a field defined by the students' interests and limited only by their ability to engage them as a scholar. The interdisciplinary minor is an opportunity for the student to either explore the impacts of their science or a completely different field of interest. Polymaths complete a thesis that synthesizes and analyzes scholarly literature within their field. Polymathic Scholars pursue a Bachelor of Science and Arts honors degree. Application to the Polymathic Scholars Program is separate from, and in addition to, application to the University. Application materials and information about deadlines are available at: http://cns.utexas.edu/honors/polymathic-scholars.

Turing Scholars in Computer Science
{No changes to this section.}

Honors In Advanced Human Development and Family Sciences Program
{No changes to this section.}

Honors In Advanced Nutritional Sciences Program
{No changes to this section.}

College Honors Programs

[Departmental-Honorary-Societies]
Several departments within the College of Natural Sciences sponsor honorary scholastic and professional societies. For information about eligibility criteria and activities, the student should consult the appropriate department office or the faculty adviser for the society.

[The University sponsors chapters of the following national organizations of interest to students in natural sciences: Alpha Chi Sigma, professional chemical fraternity; Alpha Epsilon Delta, honorary fraternity for students who have completed at least three semesters of premedical coursework; Beta Beta Beta, honorary biological society; Omicron Nu, honorary human ecology society; Pi Mu Epsilon, honorary mathematical society; Sigma Pi Sigma, honorary physics society; Upsilon Pi Epsilon, honorary computer science society.]

Departmental Honors Programs
{No changes to this section.}

Astronomy Departmental Honors Program
{No changes to this section.}

Biochemistry Departmental Honors Program
{No changes to this section.}

Biology Departmental Honors Program
{No changes to this section.}
Chemistry Departmental Honors [Program]
{No changes to this section.}

Computer Science Departmental Honors [Program]
{No changes to this section.}

Human Development and Family Sciences Departmental Honors [Program]
{No changes to this section.}

Human Ecology Departmental Honors [Program]
{No changes to this section.}

Mathematics Departmental Honors [Program]
{No changes to this section.}

Nutrition Departmental Honors [Program]
{No changes to this section.}

Physics Departmental Honors [Program]
{No changes to this section.}

Textiles and Apparel Departmental Honors [Program]
{No changes to this section.}

GRADUATION

Special Requirements of the College
All students must fulfill the general requirements for graduation. Students in the College of Natural Sciences must also fulfill the following requirements.

1. The University requires that the student complete in residence at least sixty semester hours of the coursework counted toward the degree. For the Bachelor of Arts, Plan I, these sixty hours must include at least eighteen hours in the major. [For all other degrees offered by the College of Natural Sciences, thirty of these sixty hours must be taken in the College of Natural Sciences or the College of Liberal Arts.]

2. All University students must complete in residence at least twenty-four of the last thirty semester hours counted toward the degree. For students seeking the Bachelor of Science in Medical Laboratory Science, this rule applies to the academic work completed at the University.

3. The University requires that at least six semester hours of advanced coursework in the major be completed in residence. Additional hours in the professional or major sequence in many cases are required by individual natural sciences degree programs.

4. A candidate for a degree must be registered in the College of Natural Sciences either in residence or in absentia the semester or summer session the degree is to be awarded. Graduation applications must be submitted no later than the date given in the academic calendar. The application and supplemental in absentia instructions are available via the college’s academics Web page, http://www.cns.utexas.edu/students/degrees-majors-advising/graduation [http://cns.utexas.edu/academic/].

Applying for Graduation
An electronic degree audit is created for each student each semester. The student should view the audit through IDA, the University’s Interactive Degree Audit system. The degree audit tells the student the courses he or she must take and the requirements he or she must fulfill to receive the degree. The degree audit normally provides an accurate statement of requirements, but the student is responsible for knowing the requirements for the degree as stated in a catalog under which he or she is eligible to graduate and for registering so as to fulfill all
these requirements. The student should speak with his or her assigned academic adviser before registering if in doubt about any requirement.

In the semester or summer session in which the degree is to be conferred, the candidate must be registered at the University and must file an online graduation application form via the academics section of the college's Web site, http://cns.utexas.edu/students/degrees-majors-advising/graduation [http://cns.utexas.edu/academic/]. This should be done during the first week of classes, if possible, but in no event later than the deadline to apply for an undergraduate degree; this date is given in the official academic calendar. No degree will be conferred unless the graduation application form has been filed on time.

DEGREES AND PROGRAMS

The College of Natural Sciences offers the following undergraduate degrees:

1. Bachelor of Science and Arts, with majors in astronomy, biochemistry, biology, chemistry, computer science, human development and family sciences, human ecology, nutrition, mathematics, neuroscience, and physics.

2. Bachelor of Science degrees in astronomy, biochemistry, biology, chemistry, computer science, environmental science, human development and family sciences, interdisciplinary science, mathematics, medical laboratory science, neuroscience, nutrition, physics, public health, and textiles and apparel.

3. Bachelor of Arts, Plan I, with majors in astronomy, biochemistry, biology, chemistry, computer science, human ecology, mathematics, and physics.

The Bachelor of Science and Arts degree offers a cross-disciplinary experience for students who want to combine a strong core science experience with coursework in areas such as business, communications, fine arts, and liberal arts. Students choose a major comprised of forty-eight hours of science and mathematics. Students choose either a fifteen hour minor in a field of study outside of the sciences, or an eighteen to twenty-four hour transcript-recognized certificate such as business foundations, core texts and ideas (studying great books that shape western civilization and thought), food and society, forensic science, pre-health professions, teaching, and textile conservation, among others.

The Bachelor of Science degrees provide deep exploration of science fields for students preparing for graduate science programs and careers as specialized scientists. The degrees contain between eighty to ninety hours of science and mathematics, and typically have multiple specialized options that reflect niche areas of study.

The Bachelor of Arts, Plan I, is shared with the College of Liberal Arts. [The College of Natural Sciences offers the Bachelor of Arts, Plan I, and several bachelor of science degrees. The requirements of the Bachelor of Arts, Plan I, begin in Bachelor of Arts, Plan I. The Bachelor of Arts, Plan II, a broad liberal arts honors program for outstanding students, is described in Bachelor of Arts, Plan II. Plan II emphasizes the humanities but also permits a concentration equivalent to a major in science.]

The bachelor of science degrees and degree requirements are listed in College of Natural Sciences.

A student may not earn more than one Bachelor of Arts [degree or more than one]. Bachelor of Science and Arts, or Bachelor of Science in Environmental Science degree from the University. A student may earn only one undergraduate degree in a particular field of study from the College of Natural Sciences. A student who holds a Bachelor of Arts or a Bachelor of Science and Arts degree from the university may earn a second major designation in another field of study that will appear on the University transcript. [Likewise, a students who holds a Bachelor of Science degree from the university may earn a second major option designation that will appear on the University transcript.]

The title of a graduate's degree appears on his or her diploma, but the major does not. Both the degree, [and] the major, and the transcript-recognized certificate appear on the graduate's University transcript.
Applicability of Certain Courses

Physical Activity Courses
{No changes to this section.}

ROTC Courses
{No changes to this section.}

Courses Taken on the Pass/Fail Basis
No more than sixteen semester hours taken on the pass/fail basis may be counted toward the Bachelor of Arts, Plan I. No more than six semester hours taken on the pass/fail basis may be counted toward the Bachelor of Science and Arts degree and the Bachelor of Science degrees. In general, only electives may be taken on the pass/fail basis. Complete rules on registration on the pass/fail basis are given in General Information available at http://registrar.utexas.edu/catalogs/.

Courses in a Single Field
In the Bachelor of Arts, Plan I, [N]o more than thirty-nine hours may be counted in any one field of study, including the major, unless major requirements state otherwise. In the Bachelor of Arts, Plan I, [N]o more than thirty-nine hours may be counted in any one college or school other than the College of Liberal Arts or the College of Natural Sciences.

College Algebra
{No changes to this section.}

Transcript-Recognized Certificate Programs
{No changes to this section.}

Certificate in Computational Science and Engineering
{No changes to this section.}

The Elements of Computing Program
{No changes to this section.}

Forensic Science Certificate
The Forensic Science Certificate provides an interdisciplinary perspective for students interested in careers in forensic science.

Students seeking employment in forensic science laboratories upon graduation are encouraged to select biology and chemistry courses. Some of these courses may require introductory biology and chemistry courses as prerequisites.

No admission to the certificate is required. Students must contact the dean’s office in the College of Natural Sciences to apply for the certificate during the semester in which they are completing the requirements. The certificate consists of eighteen hours.

1. Three to six hours of forensic science, chosen from Anthropology 301, 324L (Topic: Forensic Anthropology), and 366.
2. Six to twelve hours chosen from any of the following courses relevant to forensic science:
   a. Criminalistics: Sociology 302, 325K, and 325L.
   c. Pharmacology: Neuroscience 365D.
3. To achieve the minimum of eighteen hours required for the certificate, up to eight hours may be selected from any of the following courses:
c. Genetics and Microbiology: Biology 325, 325L, 325T, 226L, and 326R.

Certificate in Scientific Computation

The Certificate in Scientific Computation helps undergraduates equip themselves with the mathematical, statistical, and computer-based tools necessary to investigate complex systems in a variety of applications. It is designed to appeal to students across the University in science, engineering, economics, premedicine, sociology, and many other disciplines. The program is administered by the Division of Statistics and Scientific Computation. To be admitted, a student must be in good standing in an approved undergraduate degree program and must have earned a grade of at least C- in each certificate course he or she has completed. Students may apply for admission to the program at any point in their undergraduate study; they are encouraged to apply as early as possible so that they can be advised throughout the program.

The following coursework is required. Students must also complete Mathematics 408D or 408M as a prerequisite. No single course or topic may be used to meet more than one of these requirements.

1. [Statistics and Scientific Computation 222] Statistics and Data Sciences 222
3. Two courses in scientific computing, chosen from two of the following areas:
4. One of the following courses in applied computational science: Aerospace Engineering 347, Biology 321G, Biomedical Engineering 341, 342, 346, 377T (approved topics), Chemistry 368 (approved topics), Computer Science 324E, 329E (approved topics), Economics 363C, Electrical Engineering 379K (approved topics), Geological Sciences 325K, Mathematics 375T (approved topics), 374M, Physics 329
5. An independent research course: [Statistics and Scientific Computation 479R] Statistics and Data Sciences 479R

[Texas-IP Evidence and Inquiry Certificate]

The [Texas Interdisciplinary Plan [Texas-IP]] Evidence and Inquiry Certificate allows students to [pursue an integrated course of study with a focus on the development and application of critical thinking skills] design a field 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 UT-Austin, and determine questions related to those interests that might be answerable by research that combines expertise from at least two disciplines. Students describe their field of study, identify primary questions, name two UT-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 by a member of the program’s faculty panel. [The curriculum is designed to complement the student’s major with an interdisciplinary sequence of courses that may encompass the humanities, the social sciences, the natural sciences, and the arts.] Students have the opportunity to present an original [work] research project in a capstone seminar. Those who plan to pursue the certificate should apply to the program [adviser] for admission no later than the end of their [sophomore year] third long semester. Read [M]ore [information] about the [Texas-IP] Evidence and Inquiry Certificate [is given at] http://www.utexas.edu/tp/texasip/ http://ufellows.ens.utexas.edu/.

The certificate program requires eighteen semester hours of coursework, including at least nine hours completed in residence. Students must meet the following requirements:
1. Critical [Thinking Seminar] thinking or research methods course from an approved list available from the adviser. The approved list may include (One of the following courses: Liberal Arts 302, Philosophy 311, Natural Sciences 301C (Topic: Research Methods), 302, 311.) Undergraduate Studies 303 (One of the following topics: [Thinking About Thinking across the Disciplines] Originality in the Arts and Sciences; Research Methods; or Critical Thinking for the 21st Century). Other topics or courses may be eligible for substitution by petition.

2. Critical Writing Seminar: Rhetoric and Writing 309K or 309S, with other Rhetoric and Writing courses eligible for substitution on a petition basis.

3. Four additional courses, including at least three six semester hours of upper-division coursework, from an interdisciplinary topic area student's approved Evidence and Inquiry field of study. (prescribed by the Texas Interdisciplinary Plan; or, with approval of the Texas IP Faculty Advisory Panel, a three course interdisciplinary topic area designed by the student)

4. Senior Capstone Seminar: Liberal Arts 371 or Natural Sciences 371

In the College of Liberal Arts, a student whose major includes a minor may use the [Texas IP] Evidence and Inquiry curriculum as the minor if he or she completes the [Texas IP] Evidence and Inquiry coursework and if the minor is not specified by the major department. Final approval of the [Texas IP] Evidence and Inquiry minor coursework rests with the College of Liberal Arts associate dean for academic affairs or the associate dean’s authorized representative.

In the College of Natural Sciences, the [Texas IP] 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 noted when they appear; however, some of the eighteen semester hours required for the certificate may be in addition to the number of hours required for the degree.

**Food and Society Certificate**

Though food-related issues vary widely in focus, they are all linked by their complexity and are deeply interdisciplinary nature, each relating to topics of health and nutrition, genetics, politics, culture, the environment, economics, and business. Students will be able to appreciate the full range of these interdisciplinary ties and apply new perspectives to their primary academic majors and careers.

Students completing the certificate will be able to apply a more comprehensive understanding of the implications of their food-related actions and decisions, find better solutions to today's complex problems, formulate more effective public policy, become better informed and active citizens, and make healthier choices for themselves and their families.

No admission to the certificate is required. Students must contact the advising office in the School of Human Ecology to apply for the certificate the semester before the certificate requirements are met. The certificate consists of 18 hours, of which 9 hours must be in upper-division coursework. Courses must be completed with minimum grades of at least C- unless the course is offered only on the pass/fail basis.

Some of the courses may contain prerequisites that are in addition to the coursework for the certificate.

1. Three hours of introductory nutrition, chosen from Nutrition 306, 312, or 312H.
2. Fifteen hours selected from a minimum of two themes chosen from a, b, and c. No more than 9 hours in a single theme may be applied toward the certificate.
   a. Nutrition and Health
      iii. Nutrition 218, 118L, *Assessment of Nutritional Status and Assessment of Nutritional Status Laboratory*.
      viii. Nutrition 365, *Topic 4: Obesity and Metabolic Health*
x. Nursing 309, Global Health.
b. Culture and History
   i. Nutrition 316, Culture and Food.
   iii. Anthropology 307, Culture and Communication.
c. Politics, Economics, and Environment
   ii. Nutrition 332, Community Nutrition.
   iii. Geography 331K, Cultural Ecology.

{Note: changes made to match revised legislation after CUDPR requested that unnumbered topics be removed.}

Pre-Health Professions Certificate (see proposal D 11414-11420).

Certificate in Textile Conservation and Museum Studies
{No changes to this section.}

The UTeach Natural Sciences Secondary Teaching Option Certificate
The UTeach Natural Sciences program offers a secondary teaching option certificate to students who intend to teach at the Middle or High School level.

The following coursework is required, with grades of at least C-.

1. One of the following courses: Biology 337 (Topic 2: Research Methods: UTeach), Chemistry 368 (Topic 1: Research Methods: UTeach), and Physics 341 (Topic 7: Research Methods: UTeach).
2. History 329U or Philosophy 329U.
3. Eighteen hours of professional development coursework, consisting of:
   a. Curriculum and Instruction 650S.
   b. Curriculum and Instruction 365C or UTeach-Natural Sciences 350.
   c. Curriculum and Instruction 365D or UTeach-Natural Sciences 355.
   d. Curriculum and Instruction 365E or UTeach-Natural Sciences 360.
   e. UTeach-Natural Sciences 101, 110, and 170.
4. In addition, students must meet the following requirements to graduate and be recommended for certification:
   a. University grade point average of at least 2.50.
   b. Successful completion of secondary teacher certification and identified discipline specific content courses.
   c. Successful passing of the final teaching portfolio review, conducted by the UTeach Program in Natural Sciences.

Special Requirements
Students who successfully complete this certificate may be eligible for recommendation for state teaching certification if they have met all professional development and discipline specific content courses. Students seeking middle grades certification must also complete the following courses with grades of at least C-:

Educational Psychology 363M (Topic 3: Adolescent Development) or Psychology 301 and 304; and Curriculum

5 Corrected March 17, 2014. Proposed new certificate being considered on a no-protest basis under a separate document.
and Instruction 339E. Students must adhere to current state certification requirements, even if they differ from those listed in a University catalog. For more information about these requirements, students should consult with the UTeach-Natural Sciences academic adviser.

**UTeach Teacher Certification**

{No changes to this section.}

**Professional Development Sequence**

{No changes to this section.}

**Supporting Courses**

{No changes to this section.}

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