

## DOCUMENTS OF THE GENERAL FACULTY

**PROPOSAL TO CHANGE THE TRANSCRIPT-RECOGNIZED ENERGY MANAGEMENT  
CERTIFICATE IN THE RED MCCOMBS SCHOOL OF BUSINESS CHAPTER IN THE  
*UNDERGRADUATE CATALOG, 2016-2018***

Dean Thomas W. Gilligan, in the Red McCombs School of Business has filed with the secretary of the Faculty Council the following changes to the *Undergraduate Catalog, 2016-2018*. On January 30, 2015, the Undergraduate Program Committee approved the proposal, and the faculty representatives from all of the school's departments and programs approved it on April 16, 2015. The secretary has classified this proposal as legislation of *general* interest to more than one college or school.

The Committee on Undergraduate Degree Program Review recommended approval of the changes on October 8, 2015, and forwarded them 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 November 2, 2015.



Hillary Hart, Secretary  
General Faculty and Faculty Council

**PROPOSAL TO CHANGE THE TRANSCRIPT-RECOGNIZED ENERGY MANAGEMENT  
CERTIFICATE IN THE RED MCCOMBS SCHOOL OF BUSINESS CHAPTER IN THE  
UNDERGRADUATE CATALOG, 2016-2018**

- 1. Type of Proposal**     New Certificate Program (requiring THECB notification only)  
 Change an Existing Certificate Program  
 Delete a Program

**Proposed classification**     Exclusive     General     Major

**2. This Proposal Involves (Please check all that apply)**

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

**3. Scope of Proposed Change**

- a. Does this proposal impact other colleges/schools?    Yes  No   
If yes, then how? The changes to the application timing, and grade/GPA requirements will apply to all certificate participants.
- 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 3 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?

Any student wishing to pursue the Energy Management Certificate; about fifty-five.

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

The change does not impact courses or budgets; however since this does change some admission and grade/GPA info, geosciences was consulted as they have students participating in the program.

Person communicated with: Richard Ketcham, professor & associate dean, Jackson School of Geosciences

Date of communication: July 7, 2015

Response: No problems were seen.

- 4. Official Certificate Name:** Undergraduate Certificate: Energy Management

- 5. Proposed Implementation Date:** Fall 2016

6. **CIP Code** (administrative unit awarding the certificate): 52.0299 Business Administration, Management and Operations, Other
7. **Statement of Objective:** The certificate in energy management is designed to develop decision makers, leaders and policy builders who have the technical expertise and business acumen to participate in the interdisciplinary teams that will be required to address our energy future.
8. **Number of Students Expected to Receive the Certificate Each Semester:** Twenty-five
9. **Number of Hours Required for Completion:**<sup>1</sup> Twenty-four (up to six hours of required coursework may be completed during study abroad)
10. **List Faculty on the Certificate Program Faculty Committee.** No changes to membership

Name of Faculty Member	College/Department	Title at UT Austin	Highest Degree and Awarding Institution
John C. Butler (Chair)	Business / Finance	Clinical Associate Professor	Ph.D., University of Texas at Austin
William Fisher*	Geosciences / Geological Sciences	Professor	Ph.D., University of Kansas
James Dyer*	Business / Information, Risk, and Operations Management	Professor	Ph.D., University of Texas at Austin
Sheridan Titman*	Business / Finance	Professor	Ph.D., Carnegie Mellon University
David Spence*	Business / Business, Government and Society	Professor	Ph.D., Duke University

11. **Academic Course Requirements:** Use this table to identify the courses that qualify for this certificate program.

Course Abbreviation and Number	Course Title	SCH
GEO 303 or GEO 401 or #GEO 420H	Introduction to Geology  Physical Geology  Honors Introductory Geology (#prerequisite: Consent of instructor)	3 or 4
#GEO 316P or #GEO 416M	Sedimentary Rocks (#prerequisite: GEO 401, 303 or 420H with a grade of at least C-) (for non-geology students) Sedimentary Rocks (#prerequisite: GEO 401, 303 or 420H with a grade of at least C-) (restricted to geosciences students)	3 or 4
#BGS 370.10	Non-Technical Exploration and Production (#prerequisite: Sophomore standing)	3
#BGS 370.1	Energy Technology and Policy (#prerequisite: Upper-division standing)	3
LEB 370.13	Contracts and Real Property	3
LEB 370.14	Oil and Gas Law	3

12. **Other Certificate Requirements:**

For most majors in the McCombs School, courses have been identified within the existing business degree requirements that students will take as part of their required major courses and that enhance the objectives

of the Energy Management Certificate. For the specific majors of Finance, Management, and Supply Chain Management, students must select the following as part of their major elective options. These courses do not add to the length of the certificate program.

Finance majors must select the Energy Finance track for their required finance electives.

Management majors must take MAN 337.21, *The Art and Science of Negotiation*, for one of their required management electives.

Supply Chain Management majors must take OM 337.5, *Project Management*, for one of their required Operations Management electives.

Add requirement that students must satisfy the courses used to fulfill certificate requirements on the letter-grade basis, and earn a grade of at least C- in the certificate courses.

### 13. Give a Detailed Rationale for Change(s):

1. Change application criteria from upper-division standing, to completion of at least one semester at UT Austin before eligible to apply.  
Rationale: Change in application process and timing will allow freshmen to participate. Engineering and business students often do two internships, so it works better to take the summer certificate classes after the freshman year.
2. Change March 1 application deadline to be for summer rather than fall.  
Rationale: Program starts in the summer, not fall, so the application and admission information should accommodate and reflect that.
3. Update certification request information.  
Rationale: Certification process has been refined; catalog should reflect those changes.
4. Add the requirement that courses should be taken on the letter-grade basis, and a minimum grade requirement of C- for certificate courses, to maintain appropriate academic standards for the certificate.  
Rationale: The letter-grade requirement was mistakenly thought to be in place for all the University certificate requirements; since learning that is not so, that is being added explicitly to the business school's certificate requirements.  
A grade of a C- or higher will exemplify the minimum level of acceptable competency in the subject matter. Mastery of the certificate subjects is of utmost importance to the quality of the students the certificate is producing.

### 14. College/School Approval Process:

Approver: Undergraduate Program Committee  
Title: faculty representatives from each McCombs Department, and student representatives  
Date: January 30, 2015

Approver: Faculty of the McCombs School of Business  
Title: faculty of all McCombs Departments and programs  
Date: April 16, 2015

### PROPOSED NEW CATALOG TEXT

Catalog language; section [Catalogs](#) > [Undergraduate](#) > [Red McCombs School of Business](#) > Degrees and Programs > [Certificate Programs](#) > [Energy Management Certificate](#)

### Energy Management Certificate

The certificate in Energy Management (EM) is designed to develop decision makers, leaders, and policy builders who have the technical expertise and business acumen to participate in the interdisciplinary teams that will be required to address our energy future.

The Energy Management Certificate requires eighteen semester hours of coursework as described below. [~~Once students achieve upper-division standing they may formally apply to the certificate program.~~] All students must have completed at least one semester at UT Austin before applying to the certificate program. Freshmen who

wish to participate in the program their first semester must wait until the spring to apply. Admission to the program is based on students' overall academic record. [To gain admission the following semester, students must apply by March 1 for fall and by October 1 for spring.] Fall applications are accepted September 1-October 1 and spring applications are accepted February 15-March 15 for the following summer.

At least half of the required certificate coursework must be completed in residence at The University of Texas at Austin. ~~[Students must contact the Energy Management certificate office to request the EM certificate the semester they will complete the program; by November 1 for fall, by April 1 for spring, or August 1 for summer.]~~ Students must complete the Energy Management transcript certificate request online to have the EM certificate added to their transcript the semester both requirements have been met: 1) they hold or will hold a degree and 2) all courses in the program have been successfully completed with a C- or higher. The request must be received by November 1 for fall, April 1 for spring, or August 1 for summer. Students have up to one year after graduation to complete the certificate program for transcript purposes. A maximum of nine hours of certificate coursework may be taken after the student has earned the undergraduate degree. The certificate requirements are:

**Required courses:**

1. Geological Sciences 303, *Introduction to Geology*, Geological Sciences 401, *Physical Geology*, or Geological Sciences 420H, *Honors Introductory Geology*
2. Business, Government, and Society 370 (Topic 10: *Non-Technical Exploration and Production*)
3. Geological Sciences 316P, *Sedimentary Rocks* (for nongeology students) or Geological Sciences 416M, *Sedimentary Rocks*
4. Legal Environment of Business 370 (Topic 13: *Contracts and Real Property*)
5. Legal Environment of Business 370 (Topic 14: *Oil and Gas Law*)
6. Business, Government, and Society 370 (Topic 1: *Energy Technology and Policy*)

The student must satisfy the courses used to fulfill certificate requirements on the letter-grade basis. He or she must earn a grade of at least C- in these courses.

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<sup>1</sup> See footnote 1b above: eighteen to twenty-four hours are required.