



OFFICE OF THE FACULTY COUNCIL

THE UNIVERSITY OF TEXAS AT AUSTIN

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May 16, 2017

Provost Maurie McInnis
The University of Texas at Austin MAI 4005
Campus Mail Code: G3400 Dear Provost McInnis:

Approved by Executive Vice President and
Provost Maurie McInnis on May 30, 2017

Dear Provost McInnis,

Enclosed for your consideration and action are proposed changes to the McCombs School of Business chapter in the *Undergraduate Catalog, 2018-2020*. The legislation was classified as being of *exclusive* interest to only one college or school and was approved by the Faculty Council on a no-protest basis on May 8, 2017. The authority to grant final approval on these changes resides with your office.

- Request to change the International Business Degree Program (D 15147-15150)
- Request to change the Marketing Degree Program (D 15151-15153)
- Request to create a Transcript-Recognized Risk Management Certificate (D 15154-15161)
- Request to delete the Transcript-Recognized Supply Logistics Optimization Certificate (D 15162-15165)
- Request to change the Science and Technology Management Degree Program (D 15166-15169)

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

Sincerely,

Handwritten signature of Alan W. Friedman in cursive.

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 E. Platt, Associate Dean for Undergraduate Programs, McCombs School of Business
Leah R. Miller, Director of Academic Services, McCombs School of Business

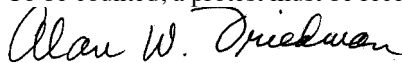
REQUEST TO CHANGE THE INTERNATIONAL BUSINESS DEGREE PROGRAM IN THE MCCOMBS SCHOOL OF BUSINESS CHAPTER IN THE *UNDERGRADUATE CATALOG, 2018-2020*

Dean Jay C. Hartzell in the McCombs School of Business has filed with the Secretary of the Faculty Council the following proposal to change the International Business degree program in the McCombs School of Business chapter in the *Undergraduate Catalog, 2018-2020*. On October 28, 2016, the chair and faculty in the Department of International Business approved the proposal and the Undergraduate Program Committee approved it on February 6, 2017. On April 26, 2017, the college faculty and dean approved the proposal. 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 certificate on March 29, 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 Provost on behalf of the President.

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 May 15, 2017.



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

- 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:	October 28, 2016	Approved by whom:	IB faculty, dept. chair/ assistant chair
College approval date:	February 6, 2017	Approved by whom:	Undergraduate Program Committee
College approval date:	April 26, 2017	Approved by whom:	all McCombs faculty
Dean approval date:	April 26, 2017	Approved by whom:	Dean Hartzell

PROPOSED NEW CATALOG TEXT

Catalogs > Undergraduate > Red McCombs School of Business > Degrees and Programs > Bachelor of Business Administration > International Business

International Business

Recognizing the role of the United States in world affairs and the importance of international operations to American business enterprise, this major offers a combination of basic business knowledge with an interdisciplinary study of international policies and practices. The curriculum is designed to develop competency to function effectively in a specific region of the world and to prepare students for positions in global business operations, government, or international agencies in the fields of economic development and/or international trade.

The requirements of this program are:

1. The Core Curriculum requirements and the BBA Degree Requirements
2. Twelve semester hours of coursework ~~beyond beginning proficiency~~ in a foreign language associated with the area studies specialization used to fulfill requirement 6 below. A minimum of six of the twelve required hours must be at the upper-division level.
3. International Business 350 (may fulfill the independent inquiry flag) or IB 350S, and 378 (certain sections may fulfill the writing, independent inquiry, and global cultures flags).
4. Six semester hours chosen from the following courses: Finance 376, International Business 340S, 372, and Marketing 372 (Topic 4: *Global Marketing*). Other courses on the global dimensions of key business areas (e.g. "International Accounting and Taxation" or "Intercultural Management") may also be used for this requirement when available, as approved by the international business faculty adviser.
5. Three semester hours of business electives
6. Nine semester hours of upper-division coursework focused on a specific geographic region. Examples of acceptable fields of study are Latin American studies; Middle Eastern studies; Asian studies; ~~and~~ Russian, East European, and Eurasian studies; and specific countries within western Europe (e.g., France, Spain, Germany and others) or other areas related to the student's geographic region. All area study coursework must be approved by the international business faculty adviser.
7. All international business majors must study or intern abroad for at least one semester or summer session of no less than six weeks. ~~Students should study or intern in a country or region associated with their foreign language and area studies specialization.~~ Ideally, the study abroad experience should be in an immersion program that includes courses taken with local students.

~~The international business faculty adviser must approve all study abroad programs and area studies courses in advance.~~ Any McCombs School program is acceptable if occurring it takes place in a country in which English is not the dominant language, with the exception of faculty-led Summer Study Abroad programs or Maymesters, which may not be used for study abroad credit by International Business majors. ~~(the faculty-led Summer Study Abroad programs will not fulfill this requirement).~~ In addition, most affiliated study abroad programs available through the University's Study Abroad Office are acceptable, depending on the course of study. The international business faculty adviser must approve all study abroad programs and area studies courses in advance.

Students must earn credit for complete the equivalent of at least six semester hours during their study abroad period. Credit earned abroad may be used to fulfill other degree requirements if appropriate. An international internship in the appropriate geographic region which meets the basic internship requirements for all business majors may be used in place of the study abroad requirement with satisfactory documentation and faculty adviser approval.

Note that a student's chosen area of language study, the geographic location of their study abroad and/or internship, and the focus of the area studies coursework must be in the same geographic region. Those studying Spanish may select either Spain or Latin America for their focus, but not both.

8. Additional elective coursework, if necessary, to provide a total of at least 120 semester hours.

International business majors should note that each student must submit information using the IB Planner for approval of language courses, area studies courses, and study abroad experience.

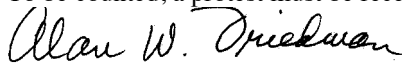
REQUEST TO CHANGE THE MARKETING DEGREE PROGRAM IN THE MCCOMBS SCHOOL OF BUSINESS CHAPTER IN THE *UNDERGRADUATE CATALOG, 2018-2020*

Dean Jay C. Hartzell in the McCombs School of Business has filed with the Secretary of the Faculty Council the following proposal to change the Marketing degree program in the McCombs School of Business chapter in the *Undergraduate Catalog, 2018-2020*. On January 27, 2017, the chair and faculty in the Department of Marketing approved the proposal and the Undergraduate Program Committee approved it on February 6, 2017. On April 26, 2017, the college faculty and dean approved the proposal. 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 certificate on March 29, 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 Provost on behalf of the President.

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 May 15, 2017.



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

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:	January 27, 2017	Approved by whom:	MKT dept. chair/assistant chair
College approval date:	February 6, 2017	Approved by whom:	Undergraduate Program Committee
College approval date:	April 26, 2017	Approved by whom:	all McCombs faculty
Dean approval date:	April 26, 2017	Approved by whom:	Dean Hartzell

PROPOSED NEW CATALOG TEXT

Catalogs > Undergraduate > Red McCombs School of Business > Degrees and Programs > Bachelor of Business Administration > Marketing

Marketing

Marketers help the firm discover and utilize new technological and market opportunities. Their motivation is to create strong brands and loyal customers in the ever-shifting competitive landscape. This is possible through the efforts of marketers to identify the customers with needs the firm is best positioned to meet. Marketers ensure the firm is offering customers well-designed products and services at just the right price, and makes the products available through the right distribution channels, while promoting product offerings through innovative, informative, and persuasive communications. Career opportunities in marketing exist in every industry, no matter the type and size of business.

The requirements of this program are:

1. The Core Curriculum requirements and the BBA Degree Requirements
2. International Business 350 (may fulfill the independent inquiry flag), Marketing 460 (may fulfill the quantitative reasoning flag), and 370 (may fulfill the writing flag)
3. Nine semester hours chosen from the following courses: Marketing 338, 340S, 363, 366P (may be used as an elective or to satisfy the internship requirement, but not both), 370K, or 372 (any topic)
4. Additional elective coursework, if necessary, to provide a total of at least 120 semester hours

For course planning, Marketing majors should carefully consider the prerequisites for Marketing 370, ~~for course planning~~: 90 semester hours of college coursework, including Marketing 460; credit or registration for an approved internship or practicum course; and ~~six~~ three additional semester hours of elective coursework in marketing.

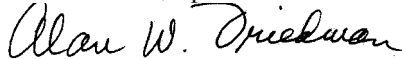
REQUEST TO CREATE A TRANSCRIPT-RECOGNIZED RISK MANAGEMENT CERTIFICATE IN THE MCCOMBS SCHOOL OF BUSINESS CHAPTER IN THE *UNDERGRADUATE CATALOG, 2018-2020*

Dean Jay C. Hartzell in the McCombs School of Business has filed with the Secretary of the Faculty Council the following proposal to create a transcript-recognized Risk Management Certificate in the McCombs School of Business chapter in the *Undergraduate Catalog, 2018-2020*. On November 14, 2016, the Undergraduate Program Committee approved the proposal. On April 26, 2017, the college faculty and dean approved the proposal. 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 certificate on March 29, 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 Provost on behalf of the President.

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 May 15, 2017.



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

Person communicated with: Mark Maxwell, Actuarial Studies Program Director, Department of Mathematics, College of Natural Sciences

Date of communication: April 3 and June 20, 2016, and other times

Response: Does not impact the Actuarial Science program in terms of additional demands as students from math might take an additional McCombs course already offered. Any actuarial science course is an appropriate elective for RM Certificate students who have the prerequisites for the ACF class.

The Actuarial Science Director and College are interested in sending students to the RM Certificate Program as many already take the classes. Likewise, the RM Certificate Program will approve any Actuarial Science course as an elective class for the RM Certificate. Risk Management and Actuarial Science are very closely linked in industry, and RM is a major employer for Actuarial Science students.

Dr. Maxwell is extremely positive and reciprocally supportive, and will serve on the advisory board for the certificate.

Person communicated with: David Vandebout, Associate Dean for Undergraduate Education, College of Natural Sciences

Date of communication: June 29, 2016

Response: "I think this looks like a good proposal. In speaking with Mark Maxwell it doesn't seem like it will place any burden on the Actuarial program and actuarial students would be able to easily pursue the certificate without affecting their timely graduation. I have no other questions or objections."

Person communicated with: Madeline Maxwell, Director of the Center for Dispute Resolution, Professor in Communication Studies, College of Communications

Date of communication: April 19 and May 5, 2016

Response: Dr. Maxwell is interested in working with students from the RM Certificate Program and any students are welcome to take CMS 354, CMS 371K when there are spaces available.

The RM Certificate Program will require no specific elective courses that require special arrangements for a student to enter the class. Students must have the prerequisites and be able to enroll when there are seats available.

4. **Official Certificate Name:** Undergraduate Certificate: Risk Management Certificate
5. **Proposed Implementation Date:** Fall 2018
6. **CIP Code** (administrative unit awarding the certificate): 52.1304 Business – Actuarial Science; Field of Study R M
7. **Statement of Objective:** To prepare students to meet successfully the current and existing risk challenges of the business environment. The RM Certificate Program strives to make students aware of the need for risk management irrespective of their professional focus and help them to know how to prepare their business environment to protect itself from risks that may occur.
8. **Number of Students Expected to Receive the Certificate Each Semester:** Twenty students

9. Number of Hours Required for Completion: Eighteen (18) hours

10. List Faculty on the Certificate Program Faculty Committee.

Name of Faculty Member	College/Department	Title at UT Austin	Highest Degree and Awarding Institution
Patrick Brockett (chair)*	Business / Information, Risk & Operations Management	Professor	Ph.D., University of California at Irvine
Linda Golden*	Business / Marketing	Professor	Ph.D., University of Florida; J.D. University of Texas at Austin
Laura Starks*	Business / Finance	Associate Dean for Research, Professor	Ph.D., University of Texas at Austin
William Cunningham*	Business / Marketing	Professor	Ph.D., Michigan State University
Mark Maxwell	Natural Sciences / Mathematics	Clinical Professor	Ph.D., Oregon State University
Christopher McClellan	Business / Information, Risk & Operations Management	Lecturer	J.D., University of Texas at Austin

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

Course Abbreviation and Number	Course Title	SCH
R M 357E or URB 351.6	<i>Introduction to Risk Management</i> or <i>Introduction to Risk Management</i> (these two classes are “same-as,” home is RM)	3
R M 377 or R M 369K	<i>Property-Liability Risk Management and Planning</i> or <i>Managing Employee Risks and Benefits</i> Note: whichever course is not used to satisfy the required course, can be used to satisfy an elective course	3
ACC 310F or #ACC 311 or #ACC 311H	<i>Foundations of Accounting</i> (for non-business students participating in the certificate) or <i>Fundamentals of Financial Accounting</i> (#prerequisite: Twenty-four semester hours of college credit.) (for business students participating in the certificate) or <i>Fundamentals of Financial Accounting: Honors</i> (#prerequisite: Twenty-four semester hours of college credit, Management Information Systems 301 or its equivalent, and credit or registration for Business Administration 324 or 324H.) (for business honors students participating in the certificate)	3
#FIN 320F or	<i>Foundations of Finance</i> (#prerequisite: Upper-division standing) (for non-business students participating in the certificate) or	3

#FIN 357 or #FIN 357H	<i>Business Finance</i> (#prerequisite: Statistics 309 or 309H, and credit or registration for the following: Accounting 312 or 312H, and Business Administration 324 or 324H) (for business students participating in the certificate) or <i>Business Finance: Honors</i> (#prerequisite: Economics 304K and 304L, and credit or registration for Accounting 312 or 312H, Business Administration 324 or 324H, and Statistics 371H or 375H) (for business honors students participating in the certificate)	
<i>Two of the following courses; only one can be a business course. Students must be able to enroll in these through their majors.</i>		<i>6 (3 each course)</i>
#ACF 329 or M 329F	<i>Theory of Interest</i> (#prerequisite: Mathematics 408D, 308L, 408L, or 408S with a grade of at least C-) or <i>Theory of Interest</i> (#prerequisite: Mathematics 408D, 308L, 408L, or 408S with a grade of at least C-)	3
#ACF 3 hrs	Any three hours lower- or upper-division Actuarial Foundations (#prerequisite: Varies with course)	3
#CMS 354	<i>Conflict Resolution</i> (#prerequisite: Upper-division standing) (Can be taken second summer only as open enrollment is only available then; web-based)	3
CMS 371K	<i>Practicum in Conflict Mediation</i>	3
#ECO 3 hrs	Any three hours lower- or upper-division Economics (#prerequisite: Varies with course)	3
#FIN 377.2	<i>Financial Risk Management</i> (#prerequisite: Finance 367 or 367Q)	3
#LEB 3 ADV	Any three hours upper-division Legal Environment of Business (#prerequisite: Varies with course)	3
#M 339D	<i>Introduction to Financial Mathematics for Actuaries</i> (#prerequisite: Actuarial Foundations 329 or Mathematics 329F; and Mathematics 362K with a grade of at least C-)	3
#M 339J	<i>Probability Models with Actuarial Applications</i> (#prerequisite: Mathematics 358K or 378K with a grade of at least C-)	3
#M 339U	<i>Actuarial Contingent Payments I</i> (#prerequisite: Mathematics 362K with a grade of at least C-; credit with a grade of at least C- or registration for Actuarial Foundations 329 or Mathematics 329F; and credit with a grade of at least C- or registration for Mathematics 340L or 341)	3
#M 339V	<i>Actuarial Contingent Payments II</i> (#prerequisite: Actuarial Foundations 329 or Mathematics 329F, and M 339U with a grade of at least C- in each)	3
#M 339W	<i>Financial Mathematics for Actuarial Applications</i> (#prerequisite: Mathematics 339D with a grade of at least C-)	3
#M 349P	<i>Actuarial Statistical Estimates</i> (#prerequisite: Mathematics 339J, and 341 or 340L, with a grade of at least C- in each)	3
*#MKT 3xx	<i>Reputational Risk and Crisis Management</i> (#prerequisite: will be determined fall 2017)	3

12. Other Certificate Requirements: Students must satisfy the courses used to fulfill certificate requirements on the letter-grade basis, and earn a combined grade point average of at least 2.00 in these courses.

13. Give a Detailed Rationale for Change(s): Creation of new certificate, as indicated in statement of objective.

14. College/School Approval Process:

Approver: Undergraduate Program Committee
 Title: faculty representatives from each McCombs Department, and student representatives
 Date: November 14, 2016

Approver: Faculty of the McCombs School of Business
 Title: Dean and all faculty of all McCombs Departments and programs
 Date: pending in April 26, 2017

PROPOSED NEW CATALOG TEXT

Catalog language; section *Catalogs > Undergraduate > Red McCombs School of Business > Minors and Certificate Programs > immediately after Real Estate Certificate*

Risk Management Certificate (RMC)

The business world is increasingly faced with risks from cyber-risk to health care fraud to terrorism, identity theft and financial risks from longevity of life. These risks all have financial consequences that are recurring or crisis. The management of risk is increasingly important in the USA and worldwide. For-Profit and Not-for-Profit enterprises (from charities to government) find themselves confronting risks and the resulting financial consequences daily. Business managers from all areas of expertise need to be prepared to prevent and address risks to survive—the ultimate goal of most all enterprises.

The Risk Management Certificate provides a student with a tool kit for contemplating, identifying, prioritizing, and formulating approaches to manage varying types of risks inevitably faced. The RM Certificate allows for six hours of free electives (inside or outside of McCombs) as there are many types of risk a particular student might be faced with (e.g., *financial crisis risk, natural disasters* (from hurricanes, tsunami to volcanos and fires), *cyber risk* (from identify theft, fraud, mobile commerce risks to phishing and hacking, etc.), *risk of political and other crises disrupting supply chains, terrorism and the reality that all enterprises operate in an increasingly vulnerable and connected infrastructure*. Indeed, as an example, over 90% of the Fortune 500 companies have created an insurance company subsidiary designed to help them manage their risks internally (a captive insurer). This allows for both some degree of managerial control and risk transfer to protect the firm. Companies need increasing active risk management expertise to survive.

Who Should Consider The Risk Management Certificate (RMC)?

The Risk Management Certificate is designed for both business and non-business majors who expect to be in a management position, including entrepreneurs. Examples include all Business majors who plan to pursue an entry-level job in supply chain, finance, manufacturing, insurance, management information systems, marketing or other business functions. Non-business majors can be students in liberal arts, economics, actuarial science, petroleum engineering, retailing, communications, health care or students from any other discipline who want to understand the impact of risk and the management of risk for their future employer.

Risk Management Certificate Application and Coursework Requirements

The Risk Management Certificate Program is both structured and flexible to allow the student to pursue interests in discipline-specific risks as well as general risks that any enterprise might face. Admission to the program requires upper-division standing and a 2.5 GPA, and is based on students' overall academic record. Students must apply to receive the RM Certificate at least one full semester prior to anticipated graduation.

Registration in courses does not require admission to the Risk Management Certificate Program.

At least half of the required certificate coursework (nine hours) must be completed in residence at The University of Texas at Austin. Students must contact the certificate office to request the certificate the semester before they will complete the program; by April 1 for fall, by November 1 for spring or summer. This timing facilitates the student's ability to have a semester prior to graduation to complete necessary coursework. Students have up to one year after graduation to complete the certificate program for transcript purposes, and must have applied as per dates above. A maximum of nine hours of certificate coursework may be taken after the student has earned the undergraduate degree.

To receive the Risk Management Certificate students must comply with University Rules and Regulations and RMC Program requirements regarding satisfactorily completed coursework and degree completion.

Required Coursework for the RMC

The RMC requires eighteen semester hours of coursework as described below. Twelve hours are business coursework: six hours of risk management, three hours of accounting and three hours of finance. An additional six elective hours relevant to risk management are selected by the student, with a maximum of 3 hours allowed from the McCombs School of Business.

Required courses:

1. RM 357E Introduction to Risk Management, or URB 351.6 Introduction to Risk Management
2. RM 377 Property-Liability Risk Management and Planning, or RM 369K Managing Employee Risks and Benefits (offered in alternating Fall semesters)
3. Accounting 310F Foundations of Accounting (for non-business students), or Accounting 311 Fundamentals of Financial Accounting, or 311H Fundamentals of Financial Accounting-Honors
4. Finance 320F Foundations of Finance (for non-business students), or Finance 357 Business Finance, or 357H Business Finance-Honors

Elective courses:

Choose two of the following courses; no more than one can be a course offered by the McCombs School of Business. Risk Management Certificate students must be able to enroll in an elective through their majors and have the required prerequisites - the RMC Program cannot grant or request exceptions to restricted courses, or to prerequisites for elective courses.

1. RM 377 Property-Liability Risk Management and Planning, or RM 369K Managing Employee Risks and Benefits (whichever was not used to fulfill the certificate requirement above)
2. ACF 329 Theory of Interest or M 329F Theory of Interest
3. Any three hours lower- or upper-division Actuarial Foundations (ACF)
4. CMS 354 Conflict Resolution (Can be taken second summer only as open enrollment is only available then – web-based course)
5. CMS 371K Practicum in Conflict Mediation (If student can access via open enrollment as majors have preference)
6. Any three hours lower- or upper-division Economics (ECO)
7. FIN 377.2 Financial Risk Management
8. Any three hours upper-division Legal Environment of Business (LEB)
9. M 339D Introduction to Financial Mathematics for Actuaries
10. M 339J Probability Models with Actuarial Applications
11. M 339U Actuarial Contingent Payments I
12. M 339V Actuarial Contingent Payments II
13. M 339W Financial Mathematics for Actuarial Applications
14. M 349P Actuarial Statistical Estimates

15. MKT 3xx Reputational Risk and Crisis Management

Other courses may be considered for substitution, as approved by the Risk Management Certificate Program. Courses dealing with conflict resolution, health management, health infrastructure, public policy, governmental regulation, risk management, or security are likely candidates.

The student must satisfy the courses used to fulfill certificate requirements on the letter-grade basis. He or she must earn a combined grade point average of at least 2.00 in these courses.

Please contact _____ (staff administrator) or Dr. Patrick L. Brockett, Director of the Risk Management Certificate Program, for additional questions and further information.

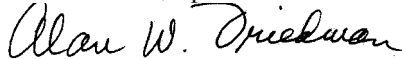
**REQUEST TO DELETE THE TRANSCRIPT-RECOGNIZED SUPPLY LOGISTICS OPTIMIZATION
CERTIFICATE IN THE MCCOMBS SCHOOL OF BUSINESS CHAPTER IN THE
*UNDERGRADUATE CATALOG, 2018-2020***

Dean Jay C. Hartzell in the McCombs School of Business has filed with the Secretary of the Faculty Council the following proposal to delete the transcript-recognized Supply Logistics Optimization Certificate in the McCombs School of Business chapter in the *Undergraduate Catalog, 2018-2020*. On February 6, 2017, the Undergraduate Program Committee approved the proposal. On April 26, 2017, the college faculty and dean approved the proposal. 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 certificate on March 29, 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 Provost on behalf of the President.

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 May 15, 2017.



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

8. Number of Students Expected to Receive the Certificate Each Semester: Zero

9. Number of Hours Required for Completion: Zero

10. List Faculty on the Certificate Program Faculty Committee.

Unchanged from original

Name of Faculty Member	College/Department	Title at UT Austin	Highest Degree and Awarding Institution

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

see Catalog Language

Course Abbreviation and Number	Course Title	SCH

12. Other Certificate Requirements: none

13. Give a Detailed Rationale for Change(s): Key engineering courses are no longer offered which has caused the certificate to be suspended since 2014. Changes to compensate for the missing courses would require creation of a new credential.

14. College/School Approval Process:

Approver: Undergraduate Program Committee

Title: faculty representatives from each McCombs Department, and student representatives

Date: February 6, 2017

Approver: Faculty of the McCombs School of Business

Title: Dean and all faculty of all McCombs Departments and programs

Date: pending in April 26, 2017

PROPOSED NEW CATALOG TEXT

Catalog language; section *Catalogs > Undergraduate > Red McCombs School of Business > Minors and Certificate Programs*

~~Supply Logistics Optimization Certificate~~

~~The Supply Logistics Optimization Certificate (SLO) offers both business and nonbusiness students an opportunity to study supply logistics using the best resources of both the McCombs School of Business and the Cockrell School of Engineering. The certificate is designed to develop supply chain and logistics business managers who have the technical expertise to interface with industrial and manufacturing engineers. For engineering students, the certificate provides supply chain and logistics management expertise, particularly for those involved in product development, process innovation, and manufacturing systems engineering. Science and engineering technology enterprises have a great demand for managers and engineers who understand business as well as the underlying science, technology, and engineering principles on which their operations are based. Employers have indicated their desire to hire students who approach the industry from a more well-rounded, interdisciplinary perspective.~~

~~The following four courses for business and non-business students are prerequisites for application to the Supply Logistics Optimization Certificate Program:~~

1. ~~M 408C Differential and Integral Calculus (may fulfill the quantitative reasoning flag) and M 408D Sequences, Series, and Multivariable Calculus or the equivalent (for business and non-business students).~~
2. ~~1. For non-business students: M E 318M Programming and Engineering Computational Methods and M E 335 Engineering Statistics, or the equivalent.
 2. For business students: STA 309 Elementary Business Statistics (may fulfill the quantitative reasoning flag) and MIS 301 Introduction to Information Technology Management or the equivalent.~~

Upon completion of these courses, a student with upper-division standing and a University grade point average of at least 3.00 may formally apply to the certificate program. Admission to the program is based on students' overall academic record and their performance in the four prerequisite courses. To gain admission the following semester students must apply by March 1 for fall and by October 1 for spring. At least half of the required certificate coursework must be completed in residence at The University of Texas at Austin.

The certificate requirements are 21 semester hours of coursework as described below:

1. ~~O M 335 Operations Management, O M 337 Special Topics in Operations Management (Topic 3: Procurement and Supplier Management) (may fulfill the writing flag), and O M 368 Logistics and Inventory Management~~
2. ~~Nine semester hours chosen from M E 366L Operations Research Models, M E 367S Simulation Modeling, M E 373K Basic Industrial Engineering, M E 375K Production Engineering Management~~
3. ~~Three semester hours chosen from O M 337 Special Topics in Operations Management (Topic 1: Total Quality Management), (Topic 4: Supply Chain Design, Planning, and Control), (Topic 5: Project Management), O M 338 Supply Chain Modeling and Optimization (may fulfill the quantitative reasoning flag), O M 366P Operations Management Practicum, or O M 367 Strategic Supply Chain Management~~

Other Certificate Requirements:

The student must satisfy the courses used to fulfill certificate requirements on the letter-grade basis. He or she must earn a combined grade point average of at least 2.00 in these courses.

Students must apply online to request the SLO certificate the semester they will complete the program; by November 1 for fall, April 1 for spring, or by 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. A maximum of nine hours of certificate coursework may be taken after the student has earned the undergraduate degree.

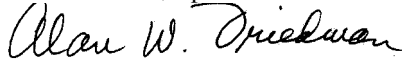
**REQUEST TO CHANGE THE SCIENCE AND TECHNOLOGY MANAGEMENT DEGREE
PROGRAM IN THE MCCOMBS SCHOOL OF BUSINESS CHAPTER IN THE *UNDERGRADUATE
CATALOG, 2018-2020***

Dean Jay C. Hartzell in the McCombs School of Business has filed with the Secretary of the Faculty Council the following proposal to change the Science and Technology Management degree program in the McCombs School of Business chapter in the *Undergraduate Catalog, 2018-2020*. On December 6, 2016, the Science and Technology Management faculty approved the proposal and the Undergraduate Program Committee approved it on February 6, 2017. On April 26, 2017, the college faculty and dean approved the proposal. 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 certificate on March 29, 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 Provost on behalf of the President.

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 May 15, 2017.



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

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:	December 6, 2016	Approved by whom: STM faculty, dept. chair/assistant chair
College approval date:	February 6, 2017	Approved by whom: Undergraduate Program Committee
College approval date:	April 26, 2017	Approved by whom: all McCombs faculty
Dean approval date:	April 26, 2017	Approved by whom: Dean Hartzell

PROPOSED NEW CATALOG TEXT

Catalogs > Undergraduate > Red McCombs School of Business > Degrees and Programs > Bachelor of Business Administration > Science and Technology Management

Science and Technology Management

Science and engineering technology enterprises have a great demand for managers who are not only skilled at business, but who also understand the principles underlying the science, technology, and engineering ventures they must manage. To fill this need, the program of study for the BBA in science and technology management provides a sound foundation in mathematics, in science, and in business, qualifying the student for more advanced study in the management of technological, engineering, and scientific enterprises.

Students work closely with the faculty adviser in the Department of Information, Risk, and Operations Management.

All students must take the courses listed below, with a minimum of 48 semester hours in the McCombs School of Business. Prerequisites for all courses are given in this catalog. Other requirements of the Cockrell School of Engineering must also be fulfilled.

The requirements of this program are:

1. The Core Curriculum requirements and the BBA Degree Requirements, with the following specifications:
 - a. Students in this program must complete Mathematics 408C (may fulfill the quantitative reasoning flag) and 408D; or 408K (may fulfill the quantitative reasoning flag), 408L, and 408M;
 - b. Operations Management 335 or 335H or 334M is required.
2. Operations Management 337 (Topic 5: *Project Management*);
3. One of the following four business blocks:
 - a. General Business Block: Accounting 329, either Finance 374C or Finance 374S, and either Management 374 or Management Information Systems 375 (both may fulfill the writing and independent inquiry flags), whichever course is not used to fulfill requirement 4 below;

- b. Finance Business Block: Finance 367, Finance 374C or Finance 374S, and one other upper-division Finance course;
 - c. Supply Chain Management Business Block: Operations Management 368, 338, and one other upper-division O M course;
 - d. Management Information Systems Business Block: Three upper-division Management Information Systems courses; or Management Information Systems 304 and two upper-division Management Information Systems courses.
4. Either Management 374 (may fulfill the writing and independent inquiry flags) or Management Information Systems 375 (may fulfill the writing and independent inquiry flags);
5. Nonbusiness courses:
 - a. Chemistry 301 (may fulfill the quantitative reasoning flag); Chemistry 301 also fulfills part II of the core curriculum science and technology requirement;
 - b. Physics 303K, 303L (both may fulfill the quantitative reasoning flag), 103M, and 103N; the physics sequence also fulfills part I of the core curriculum science and technology requirement;
 - c. Mathematics 427J (may fulfill the quantitative reasoning flag).
6. Engineering courses:
 - a. Engineering Mechanics 306 or Mechanical Engineering 320 or 310T;
 - b. Electrical Engineering 302 and 306;
 - c. One of the following courses: Aerospace Engineering 374K, Mechanical Engineering 375K, or Engineering Studies 377E.
7. Additional elective coursework, if necessary, to provide a total of at least 120 semester hours.