



RISK MANAGEMENT

FINANCE AND RISK MANAGEMENT

Finance is a business discipline that prepares students for a variety of corporate roles and financial professions. These areas address present-time decision making for uncertain future outcomes.

In the investments area, this activity involves the measurement of the risk and the return associated with investments along with the decision making for the investment of savings. In the insurance area, this activity involves the measurement and value assessment of uncertain events that effect the normal activity of individuals and organizations.

The identification, analysis, assessment, control, avoidance, minimization, and/or the elimination of unacceptable risks is risk management.

ACTUARIAL SCIENCE AND ACTUARIES

Actuarial science and role of actuaries is essential to effective risk management. Actuaries work for companies in a range of fields, particularly insurance and pension funds, to analyze the potential for undesirable events to occur and helping to plan for those events.

Actuaries are generously compensated and certified in their field through intense education and experience. To become certified, they must demonstrate their competence by passing a series of professional examinations.

RISK MANAGEMENT

The risk management concentration is heavily quantitative and includes a number of interrelated subjects, including mathematics, probability theory, statistics, finance, economics, and business analytics. The courses – including risk management concentration courses and actuarial exam preparation – provide the knowledge to prepare students for actuarial success.

The risk management program at COBA is built around pedagogical strategy and tactical planning, employing lab-based data integration. Digital integration applies actuarial science and financial modeling through the use of computer software to real-world data, so that students are prepared to perform on the job from day one.

This approach encourages students to interact with each other to improve their understanding of the material, and to interact with insurance industry professionals to engage in internships and mentoring. This apprentice-like format is implemented through the College’s Prudential Risk Management Academy.



CAREER OPPORTUNITIES

Risk Management Fields:

- Health Insurance
- Life Insurance
- Property & Casualty
- Pension & Retirement
- Enterprise Risk

**Actuarial Roles:

- Modeling
- Pricing
- Auditing

**Job titles:

- Actuarial Analyst
- Assistant Actuary
- Actuarial Associate

**Exam Certification Required

INTERNSHIP PROGRAM

The Department of Economics and Finance internship program enables students to gain valuable practical experience outside the classroom.





UNIVERSITY CORE: Minimum of C grade required

Communication (Select 6 credit hours from the following)

Note: ESL students should take ESOL 1311 & 1312

COMM 1611	Written and Oral Communication
RWS 1301	Rhetoric & Composition I
RWS 1302	Rhetoric & Composition II
RWS 1601	Rhetoric, Composition, Comm.
ESOL 1311	Expository English Composition
ESOL 1312	Research & Critical Writing

Mathematics

Required course for degree

MATH 1411 Calculus I

American History

HIST 1301	History of U.S. to 1865
HIST 1302	History of U.S. Since 1865

Language, Philosophy, & Culture

(Select 3 credit hours from the following)

Business designated course: PHIL 2306

Other choices: ENGL 2311, 2312, 2313, 2314, 2318; FREN 2322; HIST 2301, 2302; PHIL 1301; RS 1301; SPAN 2340; WS 2300, 2350

Life & Physical Sciences

(Select 6 credit hours from the following of which one hour must be a **laboratory**)

ASTR	1107, 1307, 1308
BIOL	1103, 1104, 1107, 1108, 1203, 1304, 1305, 1306, 2111, 2113, 2313
CHEM	1105, 1106, 1305, 1306, 1407, 1408
ESCI	1101, 1102, 1301
GEOG	1106, 1306
GEOL	1103, 1104, 1111, 1112, 1211, 1212, 1230, 1231, 1313, 1314
HSCI	2302, 2303; MICR 2330
PHYS	1403, 1404, 2420, 2421

Political Science

POLS 2310	Introduction to Politics
POLS 2311	American Government & Politics

Social and Behavioral Sciences (3 credit hours)

Business designated course: ECON 2303

Creative Arts

(Select 3 credit hours from the following)

ART 1300; ARTH 1305, 1306; DANC 1304; FILM 1390; MUSL 1327, 1324, 1321; THEA 1313

Component Area

(Select 6 credit hours from the following)

Business designated courses: **BUSN 1301; SCI 1301**
Other choices: UNIV 1301; CS 1310, 1320; COMM 1302

BUSINESS FOUNDATION: Minimum of C grade required

ACCT 2301	Principles of Accounting I (GPA 2.25 required)
ACCT 2302	Principles of Accounting II (GPA 2.25 required)
ECON 2304	Principles of Economics II
QMB 2301	Fundamentals of Business Statistics (GPA 2.25 required)
MATH 1312	Calculus II
MATH 2313	Calculus III

BUSINESS CORE: Grade Requirement depends on major

ECON 3310	Managerial Economics
BLAW 3301	Legal Environment of Business
BUSN 3304	Global Business Environment
QMB 3350	Data Analytics
ACCT 3321	Intermediate Accounting
FIN 3310	Business Finance
OSCM 3321	Production/Operations Mgmt
MGMT 3303	Intro to Management/Org Behavior
MKT 3300	Principles of Marketing
MGMT 4300	Strategic Management

****MGMT 4300 has 4 prerequisites (FIN 3310, OSCM 3321, MGMT 3303, MKT 3300)**

****MGMT 4300 must be taken during the last semester at UTEP.**

RISK MANAGEMENT CONCENTRATION:

QMB 3456	Actuarial Quant Methods I
QMB 4456	Actuarial Quant Methods II
FIN 4345	Financial Econometrics
FIN 4340	Actuarial Finance
FIN 3315	Investments
FIN 4315	Portfolio Analysis
FIN 4315A	Portfolio Analysis Laboratory
FIN 3317	Principles of Insurance
FIN 4316	Analysis of Derivatives
FIN 4310	Managerial Finance
FIN 4311A	Managerial Finance Laboratory

Select a business minor or a certificate

Twelve hours of business minor or certificate

BBA Total Hours:120

Disclaimer: The College of Business Administration reserves the right to withdraw courses at any time, change curriculum, degree requirements, and any other information or requirements affecting students. Changes will become effective whenever the proper authorities so determine.

