

COURSE REQUIREMENTS

Requirements for the Actuarial Science Major

Introductory Courses				
Course	Title	Credits	Offered	Prerequisites
ACC 205	Financial Accounting	3	all	Math 101 or sophomore standing
ACC 206	Managerial Accounting	3	all	ACC 205
ECON 221	Principles of Econ-Micro	3	all	None
ECON 222	Principles of Econ-Macro	3	all	None
IDS 110	Business Spreadsheet Applications	1	all	MATH 110 (or placement beyond MATH 110)
IDS 111	Business Applications Programming	1	Fall	IDS 110 or CS 157
CS 128	Intro to Programming	1	Spring	MATH 110 (or placement beyond MATH 110)
MATH 131	Calculus I	4	all	MATH 114 (Pre-Calculus) or placement
MATH 132	Calculus II	4	all	MATH 131
MATH 264	Linear Algebra	3	Fall	MATH 132 or 168
Probability and Statistics Courses				
MATH 240	Statistical Analysis	3	all	MATH 132
MATH/IDS 340 ⁽¹⁾	Statistics for Decision Making	3	all	MATH 240 or IDS 205 or CE 202 or ECE 365
ECON 325 ⁽¹⁾	Econometrics	3	Fall	ECON 221 and ECON 222

				and (MATH 240/IDS 205)
MATH 341	Probability	4	Spring	MATH 240 and MATH 132
MATH 342	Mathematical Statistics	3	every 3 sem Next: Fall '09	MATH 341
MATH 344	Applied Probability and Statistical Decision Theory	3	Spring: even years	MATH 240 or IDS 205
MATH 393	Seminar in Applied Statistics	3	every 3 sem Next: Fall '10	ECON 325 or MATH/IDS 340
Finance & Modeling Courses				
FIN 304	Financial Management	3	all	ACC 205, ECON 221, and 48 credits
FIN 410	Theory of Corporate Finance	3	Fall	FIN 304 and (IDS 110 or CS 157) and MATH 340 ⁽³⁾
FIN 420	Investment Management	3	Fall	FIN 304 and (IDS 110 or CS 157)
FIN 425	Financial Derivatives	3	Spring	FIN 420
ECON 321 ⁽²⁾	Intermed Microeconomic Theory	3	Spring: odd years	ECON 221
ECON 324 ⁽²⁾	Managerial Economics	3	Random	ECON 221
Capstone Course				
ACRS 325	Actuarial Modeling	3	every 3 sem Next: Spring '10	MATH/IDS 340 or ECON 325

Requirements for the Actuarial Science Minor⁽⁴⁾

Course	Title	Credits	Offered	Prerequisites
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ECON 221	Principles of Economics - Micro	3	all	None
ECON 222	Principles of Economics - Macro	3	all	None
MATH 341	Probability	3	Spring	MATH 240 and MATH 132
FIN 410	Theory of Corporate Finance	3	Fall	FIN 304 and (IDX 110 or CS 157) and MATH 340 ⁽³⁾
ACRS	Actuarial Modeling	3	every 3 sem Next: Spring '10	MATH/IDS 340 or ECON 325

Prerequisite Courses needed for (but not officially part of) the minor: MATH 131, MATH 132, MATH 240, FIN 304, IDS 110, and ACC 205

Notes (1) One of MATH 340 or ECON 325 is required. (2) One of ECON 321 or ECON 324 is required. (3) MATH 340 may be taken concurrently with FIN 410 (4) In order to satisfy the minor, all of the prerequisite courses for the minor must also be satisfied.

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