



BACHELOR of Science in MATHEMATICAL ECONOMICS (#731)
ACTUARIAL SCIENCE
 Department of Economics / Department of Mathematics
 Gordon Ford College of Business / Ogden College of Science and Engineering
 Western Kentucky University

The suggested program of study shown below should be used in consultation with your advisor(s). Every student will finish with a unique plan of his/her own depending on the electives selected.

Success Markers

SAMPLE - 4 year plan

FIRST YEAR <i>Visit The Learning Center for free tutoring</i>	Fall Semester		Spring Semester	
	General Education Course A-II	3	PHIL 215 – Elementary Logic OR EE 180 -	3
	ENG 100 – Introduction to College Writing	3	General Education Course E	3
	HIST 119 – Western Civ to 1648 OR HIST 120 – Western Civ Since 1648	3	General Education Course B-II	3
	General Education Course C	3	MATH 137 – Calculus II (<i>MATH 136, C or better</i>)	4
	MATH 136* – Calculus I	4	General Education Course F	1
	TOTAL CREDIT HOURS	16	TOTAL CREDIT HOURS	16

SECOND YEAR <i>Volunteer or Join a Student Organization</i>	Fall Semester		Spring Semester	
	Econ 202* - Principles of Economics (Micro)	3	Econ 203* - Principles of Economics (Macro)	3
	ENG 200 – Introduction to Literature	3	COMM 161 – Business and Professional Speaking	3
	MATH 307 – Introduction to Linear Algebra (<i>MATH 136 & EE 180/PHIL 215, “C” or Better</i>)	3	CS 170 – Problem Solving and Programming OR CS 180 – Computer Science I	3-4
	MATH 310 – Introduction to Discrete Math (<i>MATH 137, “C” or Better</i>)	3	MATH 237 – Multivariable Calculus (<i>MATH 137, “C” or Better</i>)	4
	*ECON 206 – Statistics (<i>ECON 202/203</i>) OR STAT 301 – Probability and Applied Statistics (<i>MATH 136, MATH 142, “C” or Better</i>)	3	*ACCT 200 – Introductory Accounting – Financial (<i>Sophomore and completion</i>)	3
	General Education Course F	1		
TOTAL CREDIT HOURS	16	TOTAL CREDIT HOURS	16-17	

WINTER TERM <i>Why not Study Abroad?</i>	Winter Term	
	TOTAL CREDIT HOURS	

THIRD YEAR	Fall Semester		Spring Semester	
	<i>Visit Career Services</i>	ECON 302 – Microeconomic Theory (ECON 202, 203, and 206)	3	ECON 303 – Macroeconomic Theory (ECON 202, 203, and 206)
ECON 307 – Fin Data Modeling (ECON 206)		3	ECON 465 – Regression and Econometric Analysis OR STAT 401 – Regression Analysis	3
MATH 382 – Probability and Statistics I (MATH 237, MATH 310, C or better)		3	MATH 482 – Probability and Statistics II (MATH 237 & 382, C or better in both)	3
FIN 330 – Principles of Financial Management (ACCT 200, MATH 116, & ECON 202/203)		3	FIN 350 – Risk Management and Insurance (FIN 330)	3
ENG 300 – Writing in the Disciplines		3	General Education Course D-IL	3-4
TOTAL CREDIT HOURS		15	TOTAL CREDIT HOURS	15-16

FOURTH YEAR	Fall Semester		Spring Semester	
	<i>Apply for Graduation</i>	General Education Course D	3	ECON 497 OR MATH 497 – Senior Seminar in Mathematical Economics
FIN 332 – Investment Theory (FIN 330)		3	General Elective	3
FIN 437 – Corporate Asset Management (FIN 330, C or better and ECON 307 (or concurrent))		3	FIN 438 – Corporate Funds Management	3
ECON 480 – Economic Forecasting (MATH 116, ECON 202, 203, & 206)		3	General Elective	3
General Elective		3	General Elective	3
TOTAL CREDIT HOURS		15	TOTAL CREDIT HOURS	13

Total Credit Hours: 120

* Denotes prerequisite courses before admission

PLEASE NOTE: Prerequisites, Course Numbers, and Course Titles are subject to change.

Consult your advisor each semester.

Course Descriptions may be viewed at <http://www.wku.edu/catalog>

For more Information:

Department: Economics

Mathematics

Website: www.wku.edu/economics

www.wku.edu/math

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Course Descriptions: <http://www.wku.edu/undergraduatecatalog/>