



**BACHELOR of SCIENCE in MATHEMATICAL ECONOMICS (#731)
(ACTUARIAL SCIENCE)**
Department of Economics
Gordon Ford College of Business
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	Fall Semester		Spring Semester	
	<p><i>Visit the Math Lab for free tutoring</i></p> <p><i>Explore your Study Abroad options</i></p>	General Education Course A-II	3	PHIL 215 – Elementary Logic OR EE 180 – Electrical Circuits
ENG 100 – Intro 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	Health and Wellness (F)	1
TOTAL CREDIT HOURS		16	TOTAL CREDIT HOURS	14

SECOND YEAR	Fall Semester		Spring Semester	
	<p><i>Volunteer or Join a Student Organization like Green Toppers</i></p>	*ECON 202 - Principles of Economics (Micro)	3	*ECON 203, Principles of Economics (Macro)
ENG 200 – Intro to Literature		3	COMM 161 - Business and Professional Speaking	3
MATH 307 - Introduction to Linear Algebra (<i>MATH 136 & either EE 180 or 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 Mathematics (<i>MATH 137, "C" or better</i>) OR MATH 331 - Differential Equations (<i>MATH 137, "C" or better</i>)		3	MATH 237 - Multivariable Calculus (<i>MATH 137, "C" or better</i>)	3
*ECON 206 - Statistics (<i>ECON 202/203 and MATH 116</i>) OR STAT 301 - Probability & Applied Statistics (<i>MATH 136 or MATH 142, "C" or better</i>)		3	*ACCT 200 – Introductory Accounting – Financial (<i>Sophomore and completion of general education mathematics</i>)	3
Health and Wellness (F)		1		
TOTAL CREDIT HOURS		16	TOTAL CREDIT HOURS	16

SUMMER TERM / WINTER TERM	Summer Term	
	ECON 410 Efficient Markets in Low Countries	3
TOTAL CREDIT HOURS	3	

Want to travel abroad? Be on the lookout for our Winter and Summer term study abroad opportunities! Usually 3-6 credit hours.

THIRD YEAR <i>Visit Career Services</i>	Fall Semester		Spring Semester	
	ECON 302 - Microeconomic Theory (ECON 202, 203, & 206)	3	ECON 303 - Macroeconomic Theory (ECON 202, 203, 206)	3
	ECON 307 - Financial Data Modeling (ECON 206)	3	ECON 465 – Regression and Economic Analysis(ECON 206) OR STAT 401 – Regression Analysis	3
	MATH 382 – Probability & Statistics I (MATH 237 (or co-requisite), MATH 310, “C” or better)	3	MATH 482 - Probability & Statistics II (MATH 237 and MATH 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 & 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 <i>Apply for Graduation</i> <i>Celebrate</i>	Fall Semester		Spring Semester	
	General Education Course D	3	ECON 497 /MATH 497 - Senior Seminar in Mathematical Economics (Senior and admitted)	1
	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 (FIN 330, “C” or better and ECON 307 (or concurrent))	3
	ECON 480 - Economic Forecasting (MATH 116, ECON 202, ECON 203, and ECON 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 to the Gordon Ford College of Business

PLEASE NOTE: Prerequisites, Course Numbers, and Course Titles are subject to change.
Consult your advisor each semester.

For more Information:

Department: Department of Economics

Website: www.wku.edu/economics

Phone: 270-745-2249

Email: econ@wku.edu

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

Department of Mathematics

www.wku.edu/math

270-745-3651

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