



BACHELOR of Science in MATHEMATICAL ECONOMICS (#731)
GENERAL
 Department of Mathematics / Department of Economics
 Ogden College of Science and Engineering / 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	
<i>Visit The Learning Center for free tutoring</i>	COMM 145, Fund Speaking/COMM: BUS/PROF (F-OC)	3	World Language (if needed), OR elective	3
	ENG 100 – Introduction to College Writing (F-W1)	3	ENG 200, Introduction Literature (ENG 100) (F-AH)	3
	Arts & Humanities (E-AH)	3	HIST 101 or 102, World History I or II (F-SB)	3
	BA 175, University Experience Business	3	MATH 137 – Calculus II (MATH 136, “C” or better)	4
	MATH 136* – Calculus I (F-QR)	4	Natural & Physical Sciences (E-NS)	3
	TOTAL CREDIT HOURS	16	TOTAL CREDIT HOURS	16

SECOND YEAR	Fall Semester		Spring Semester	
	Econ 202* - Principles of Economics - Micro (Sophomore) (E-SB)	3	Econ 203* - Principles of Economics - Macro (Sophomore)	3
	MATH 307 – Introduction to Linear Algebra (MATH 137, “C” or better; or MATH 136, grade of “A”; or MATH 142, grade of “A”)	3	*ECON 206 – Statistics (ECON 202/203 and MATH 116 or higher) OR STAT 301 – Probability and Applied Statistics (MATH 136 or MATH 142, “C” or Better)	3
	Natural & Physical Sciences with lab (E-NS, SL)	3	Connections (K-LG)	3
	MATH 310 – Intro to Discrete Math (MATH 137, “C” or better) OR MATH 331 – Differential Equations (MATH 137, “C” or better)	3	MATH 237 – Multivariable Calculus (MATH 137, “C” or better)	3
	Connections (K-SC)	3	General Elective (Upper Division)	3
	TOTAL CREDIT HOURS	15	TOTAL CREDIT HOURS	15

World Language Proficiency: All students entering in Fall 2014 or later must demonstrate proficiency in a world language at the Novice High level before completing 60 credit hours. Novice high is the ability to communicate in writing and speaking on familiar topics in simple sentences. To meet this requirement, students may take college language courses or take a proficiency test. For more information go to www.wku.edu/modernlanguages/placement/.

Colonnade Program: All students entering in fall 2014 or later must complete 39 hours in 13 specific Colonnade areas. Colonnade areas are listed in parentheses marked in blue after the corresponding classes. Some areas may have specific course requirements while others can be chosen from selected lists of options. For more details and to see lists of options, go to http://www.wku.edu/colonnade/documents/approved_colonnade_courses_website.pdf.

THIRD YEAR	Fall Semester		Spring Semester	
<i>Visit Career Services</i>	ECON 302 – Microeconomic Theory (<i>ECON 202, 203, and 206</i>)	3	ECON 303 – Macroeconomic Theory (<i>ECON 202, 203, and 206</i>)	3
	ECON 306 – Statistical Analysis (<i>ECON 206</i>) OR ECON 307 – Financial Data Modeling (<i>ECON 206</i>)	3	ECON 465 – Regression and Econometric Analysis (<i>ECON 206</i>) OR ECON 480 – Economic Forecasting (<i>MATH 116 or higher, and ECON 202, 203, and 206</i>) OR STAT 401-Regression Analysis (<i>STAT 301, C or better</i>)	3
	Connections Systems (<i>K-SY</i>)	3	ECON Elective (Upper Division)	3
	ENG 300, Writing in the Disciplines (<i>ENG 200 or permission of instructor</i>)/ <i>COMM 200 (F-W2)</i>	3	General Elective (Upper Division)	3
	**MATH Elective (Choose one of the following: MATH 305, 310, 331, 382, 405, 435)	3	General Elective (Upper Division)	3
	TOTAL CREDIT HOURS	15	TOTAL CREDIT HOURS	15

FOURTH YEAR	Fall Semester		Spring Semester	
<i>Apply for Graduation</i>	ECON 464 – Introduction to Mathematical Economics (<i>ECON 302 and 303</i>)	3	ECON 497 OR MATH 497 – Senior Seminar in Mathematical Economics	1
	Connections Local to Global (<i>K-LG</i>)	3	Upper-Division General Elective	3
	General Elective	3	General Elective	3
	General Elective	3	Upper Division General Elective	3
	Upper Division General Elective	3	Upper Division 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

** Three more hours from MATH 305, 310, 331, 382, 405, 435.

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: Mathematics

Economics

Website: www.wku.edu/math

www.wku.edu/economics

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270-745-2249

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