WKU.

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.

SAMPLE - 4 year plan

Success Markers

FIRST YEAR

Visit the Math Lab for FREE tutoring!

Fall Semester		Spring Semester	
COMM 145, Fund Speaking/COMM: BUS/PROF (F-OC)	3	Foreign Language (Language Proficiency)	3
ENG 100 – Introduction to College Writing (F-W1)	3	ENG 200, Introduction Literature *(ENG 100)* (E-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	4	Natural & Physical Sciences (E-NS)	3
TOTAL CREDIT HOURS	**16**	**TOTAL CREDIT HOURS**	**16**

SECOND YEAR

Join An Organization Or Volunteer

Fall Semester		Spring Semester	
Econ 202* - Principles of Economics - Micro *(Sophomore)*	3	Econ 203* - Principles of Economics - Macro *(Sophomore)*	3
Natural & Physical Sciences with lab (E-SL)	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
MATH 307 – Introduction to Linear Algebra *(MATH 137, "C" or better; or MATH 136, grade of "A"; or MATH 142, grade of "A")*	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)*	4
Connections (K-SC)	3	General Elective (Upper Division)	3
TOTAL CREDIT HOURS	**15**	**TOTAL CREDIT HOURS**	**16**

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: http://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.

Admission to the Mathematics Economics (General) Major – To gain admission to the Math Econ (General) major students must have a minimum 2.0 overall GPA. They must also complete MATH 136, ECON 202, ECON 203, and ECON 206/STAT 301 with a separately calculated 2.0 GPA.

Bachelor of Science in Mathematical Economics: General - Sample 4 year plan (2017-2018)

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

FOURTH YEAR	Fall Semester		Spring Semester	
Apply for Graduation and CELEBRATE!	ECON 464 – Introduction to Mathematical Economics *(ECON 302 and 303)*	3	ECON 497 **OR** MATH 497 – Senior Seminar in Mathematical Economics	1
	General Elective	3	Upper-Division General Elective	3
	General Elective	3	General Elective	3
	General Elective	3	General Elective	3
	Upper Division General Elective	3	Upper Division General Elective	2
	TOTAL CREDIT HOURS	**15**	**TOTAL CREDIT HOURS**	**12**

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
Phone: (270)745-3651	270-745-2249
Email: math@wku.edu	econ@wku.edu

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

Bachelor of Science in Mathematical Economics: General - Sample 4 year plan (2017-2018)