



**BACHELOR of SCIENCE in MATHEMATICAL ECONOMICS (#731)**

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	
	<i>Visit the Math Lab for free tutoring</i>  <i>Explore your Study Abroad options</i>	General Education Course A-II	3	PHIL 215 – Elementary Logic <b>OR</b> EE 180 – Electrical Circuits
ENG 100 – Intro to College Writing		3	General Education Course E	3
HIST 119 – Western Civ to 1648 <b>OR</b> 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
<b>TOTAL CREDIT HOURS</b>		<b>16</b>	<b>TOTAL CREDIT HOURS</b>	<b>14</b>

SECOND YEAR	Fall Semester		Spring Semester	
	<i>Volunteer or Join a Student Organization like Green Toppers</i>	*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 &amp; either EE 180 or PHIL 215, "C" or better</i> )		3	General Education Course D-I	3
MATH 310 - Introduction to Discrete Mathematics ( <i>MATH 137, "C" or better</i> ) <b>OR</b> 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> ) <b>OR</b> STAT 301 - Probability & Applied Statistics ( <i>MATH 136 or MATH 142, "C" or better</i> )		3	General Elective Course	3
			Health and Wellness (F)	1
<b>TOTAL CREDIT HOURS</b>		<b>15</b>	<b>TOTAL CREDIT HOURS</b>	<b>16</b>

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

**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 306 - Stat Analysis (ECON 206) <b>OR</b> ECON 307 - Financial Data Modeling (ECON 206)	3	ECON 465 – Regression and Economic Analysis(ECON 206) <b>OR</b> ECON 480 – Economic Forecasting (MATH 116 or higher, ECON 202, 203, & 206)	3
	General Elective	3	ENG 300 – Writing in the Disciplines	3
	General Elective	3	General Elective	3
	General Elective	3	General Education Course D-IL	4
	<b>TOTAL CREDIT HOURS</b>	<b>15</b>	<b>TOTAL CREDIT HOURS</b>	<b>16</b>

FOURTH YEAR  <i>Apply for Graduation</i>  <i>Celebrate</i>	Fall Semester		Spring Semester	
	ECON 464 - Mathematical Economics (ECON 302 and ECON 303)	3	ECON 497 /MATH 497 - Senior Seminar in Mathematical Economics (Senior and admitted)	1
	MATH Upper-Div. Elec.**	3	ECON Upper-Div. Elec.	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
	<b>TOTAL CREDIT HOURS</b>	<b>15</b>	<b>TOTAL CREDIT HOURS</b>	<b>13</b>

**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.

**For more Information:**

**Department:** Department of Economics

**Website:** [www.wku.edu/economics](http://www.wku.edu/economics)

**Phone:** 270-745-2249

**Email:** [econ@wku.edu](mailto:econ@wku.edu)

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

Department of Mathematics

[www.wku.edu/math](http://www.wku.edu/math)

270-745-3651

[math@wku.edu](mailto:math@wku.edu)