



Success Markers

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

The following four-year plan is an example of how to map your program in consultation with your faculty advisor. Every student will finish with a unique plan of his/her own depending on the electives selected.

SAMPLE - 4 year plan

| FIRST YEAR | Fall Semester | | Spring Semester | |
|-------------------|--|-----------|---|-----------|
| | MATH 136* – Calculus I (F-QR) | 4 | MATH 137 – Calculus II | 4 |
| | ENGL 100 Introduction to College Writing (F-W1) | 3 | COMM 145 Fund of Public Speaking and Communication (F-OC) | 3 |
| | HIST 101 World History I OR HIST 102 World History II (F-SB) | 3 | Arts & Humanities (E-AH) | 3 |
| | Social & Behavioral Studies (E-SB) | 3 | Natural & Physical Science (E-NS) | 3 |
| | World Language, if needed, OR General Elective | 3 | ACCT 200 – Introductory Accounting – Financial | 3 |
| | TOTAL CREDIT HOURS | 16 | TOTAL CREDIT HOURS | 16 |

| SECOND YEAR | Fall Semester | | Spring Semester | |
|--------------------|--|-----------|---|-----------|
| | ECON 202* - Principles of Economics (Micro) | 3 | ECON 203* - Principles of Economics (Macro) | 3 |
| | ECON 206* – Statistics OR STAT 301 – Probability and Applied Statistics | 3 | MATH 237 – Multivariable Calculus | 4 |
| | MATH 307 – Introduction to Linear Algebra | 3 | ENG 200 Intro to Literature (F-AH) | 3 |
| | MATH 310 – Intro to Discrete Math OR MATH 331 – Differential Equations | 3 | Connections: Social & Cultural (K-SC) | 3 |
| | Natural & Physical Science & Lab (E-NS, SB) | 4 | Connections: Local to Global (K-LG) | 3 |
| | TOTAL CREDIT HOURS | 16 | 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: [World Language Proficiency](#).
- **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: [Colonnade Requirements](#).

| THIRD YEAR | Fall Semester | | Spring Semester | |
|------------|--|-----------|---|-----------|
| | ECON 302 – Microeconomic Theory | 3 | ECON 303 – Macroeconomic Theory | 3 |
| | ECON 306 – Stat Analysis OR ECON 307 – Fin Data Modeling | 3 | ECON 465 – Regression and Econometric Analysis OR ECON 480 – Economic Forecasting OR STAT 401 – Regression Analysis | 3 |
| | MATH Upper-Division Elective** | 3 | ECON Upper-Division Elective | 3 |
| | ENG 300 Writing in the Disciplines (F-W2) | 3 | General Electives | 6 |
| | Connections: Systems (K-SY) | 3 | | |
| | TOTAL CREDIT HOURS | 15 | TOTAL CREDIT HOURS | 15 |

| SUMMER TERM | Summer Term |
|-------------|---|
| | It is STRONGLY recommended to pursue an internship in mathematical economics after the third year. |

| FOURTH YEAR | Fall Semester | | Spring Semester | |
|-------------|-----------------------------------|-----------|--|-----------|
| | ECON 464 – Mathematical Economics | 3 | ECON 497 OR MATH 497 – Senior Seminar in Mathematical Economics | 1 |
| | General Electives | 10 | General Electives | 12 |
| | | | | |
| | | | | |
| | TOTAL CREDIT HOURS | 13 | 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.

FOR ADDITIONAL INFORMATION, PLEASE CONTACT:

| | | |
|-----------------------------|---|--|
| 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/undergradcatalog/ | |

