
ECONOMICS BS SAMPLE PROGRAM (PHD IN ECON PREP)

This program is designed to provide students with a competitive application for a PhD in economics. Many different alternatives exist to this program. The student who follows this program will also earn a minor in mathematics.

FIRST YEAR - FALL SEMESTER

ECON 201* - Principles of Microeconomics (3)
MATH 198** - Analytic Geometry and Calculus I (5)
ENG 190 - Writing as Critical Thinking (3)
INDV 101 - Truman Transformation (1)
Elementary Language (3-4)

FIRST YEAR - SPRING SEMESTER

ECON 200* - Principles of Macroeconomics (3)
COMM 170 - Public Speaking (3)
MATH 263 - Analytic Geometry and Calculus II (5)
Personal Well-Being Essential Skills Requirement (2)
Elementary Language (3-4)

TOTAL CREDITS FIRST YEAR: 31-33

* Students may also take ECON 205 - Principles of Economics (5), which satisfies both ECON 200 and ECON 201 requirements, and can be taken either semester. Additionally, any one of these courses fulfills the Social Scientific Mode requirement.

** This course fulfills the Mathematical Mode of Inquiry and the Elementary Functions Essential Skills requirement. Students must take a placement test before being allowed to register, and students who place into lower-level math classes must use either MATH 156 - College Algebra & MATH 157 - Plane Trigonometry (together), or MATH 186 - Precalculus to satisfy the Elementary Functions Essential Skills requirement. These students subsequently then need to take MATH 198 to fulfill the Mathematical Mode requirement, as well as the major requirement.

SECOND YEAR - FALL SEMESTER

ECON 300 - Intermediate Microeconomics (3)
ECON 210 - New Majors Seminar (3)*
STAT 290 - Statistics (3)
MATH 264 - Analytic Geometry and Calculus III (3)
Qualitative Mode of Inquiry course (3-5)

SECOND YEAR - SPRING SEMESTER

ECON 303 - Intermediate Macroeconomics (3)
ECON 373 - Econometrics (3)
MATH 200 - Foundations of Mathematics (3)
Qualitative Mode of Inquiry course (3-5)
Quantitative Mode of Inquiry course (3-5)**

TOTAL CREDITS SECOND YEAR: 30-36

*Writing enhanced course. Truman requires at least 3 writing enhanced courses (ECON 210, JINS 3XX, ECON 479 allow you to fulfill this requirement).

** Choose from Scientific - Life Science, or Scientific - Physical Science

THIRD YEAR - FALL SEMESTER

ECON 304 - Mathematical Economics (3)

ECON 3XX/4XX - Economics Elective (3)

MATH 357 - Linear Algebra (3)

JINS 3XX - Junior Interdisciplinary Seminar (3)

Free elective (3+)

TOTAL CREDITS THIRD YEAR: 26-28+

*An important part of a competitive graduate school application is a research paper. Taking ECON 479 in the third year allows time to extend the paper written in this class before graduate school applications are due.

THIRD YEAR - SPRING SEMESTER

ECON 479* - Senior Seminar (3)

MATH 461 - Advanced Calculus (3)

Qualitative Mode of Inquiry course (3-5)

Missouri Statute Course (2)

FOURTH YEAR - FALL SEMESTER

ECON 3XX/4XX - Economics Elective (3)

STAT 570 - Mathematical Probability and Statistics I (3)

MATH 365 - Ordinary Differential Equations (3)

ECON 554* - Independent Studies: Economics (3-8)

FOURTH YEAR - SPRING SEMESTER

ECON 3XX/4XX** - Economics Elective (3)

STAT 571 - Mathematical Probability and Statistics II (3)

MATH 335 - Game Theory (3)

Free Elective (3+)

Graduate school applications due December-January of fourth year.

TOTAL CREDITS FOURTH YEAR: 25+ (**120 CREDITS REQUIRED TO GRADUATE**)

*This course will give the student an opportunity to extend the paper written in ECON 479, as well as develop the relationship with a faculty member necessary for a good letter of recommendation. ECON 554 should be taken for at least 3 credits so as to meet the 12-credit upper-division elective requirement.

**This course can be an economics course that satisfies the Intercultural Perspectives requirement. If not, another Intercultural Perspectives course must be taken elsewhere.

Please note that a 2.25 cumulative and a 2.25 major GPA is required to graduate. Additionally, grades of "C" or better are required in each major requirement class.

Students must complete and pass at least 40 credits in 300-, 400-, and 500-level courses to meet graduation requirements for all baccalaureate degrees.