MATHEMATICS-ECONOMICS

Interdepartmental Program Committee:

John Bonin, Economics
Edward Taylor, Mathematics
Gary Yohe, Economics

Majors offered: Mathematics-Economics

Program description: The Interdepartmental Mathematics-Economics Program provides interdisciplinary work for students whose interest may be in economics with a strong mathematical approach or in mathematics applied to business and economic topics. Majors are expected to comply with the General Education Expectations. Students who complete this program will be well prepared for graduate study at quantitatively oriented business schools and graduate economics programs.

Recommended course sequences: In preparation for entering the program, a student should have completed by the end of the second year:

- MATH 121 and MATH 122 or the equivalent, e.g., any 200-level mathematics course,
- ECON 110 and ECON 300
- COMP 112 or COMP 211 or any higher-numbered computer science course.

In addition, a student should have completed at least two of the courses listed below by the end of the second year:

- MATH 221 or 223, and MATH 222,
- ECON 301 and ECON 302.

Required courses: The Concentration Program requires at least twelve advanced (200-level or higher) courses selected from the offerings of the economics and mathematics departments. In addition to satisfying the entry requirements, students must complete:

- MATH 221 or 223, and MATH 222
- ECON 300, ECON 301 and ECON 302,
- ECON 380 and ECON 385,
- Two additional courses in economics numbered 201 or above, at least one of which must be numbered 308 or above,
- Three additional courses in mathematics or computer science.

Mathematics courses must be numbered 200 or above. Students may elect COMP 301 and/or COMP 312, and may elect other COMP courses subject to permission from their major advisor. Some economics electives are taught as lower-tier and upper-tier courses; in these cases, students may count only one of these courses towards the major.

A student **cannot double major** in MECO and Computer Science, or MECO and Mathematics, or MECO and Economics.