

Econometrics and Quantitative Economics

The study of economics examines how entities from individuals to nations allocate resources to achieve objectives congruent with their desires and interests. A strong economics background can help one better conduct market analyses important for business, predict movements in financial markets, and understand effects of government policies. But to pursue these endeavors, employers are increasingly wanting students that have training in statistics, math, and computer programming as these employers will pay a premium to employees that have these skills. The Econometrics and Quantitative Economics (EQE) major is designed to provide these skills and to enable graduates to apply this training to economic issues. The EQE major will also greatly benefit those wanting to go to graduate school in economics because majors will have the quantitative foundation students need to succeed in economics graduate programs.

The requirements for an EQE major are given below. Courses taken for a pass/fail grade will not be counted toward the major without the written consent of the director of undergraduate studies within the economics unit. Transfer students can receive credit towards the major from equivalent courses at other institutions. However, the required 400-level economics courses must be taken at Southern Illinois University Carbondale.

Students are highly encouraged to discuss their major programs and career goals with an economics professor. Undergraduates considering graduate economics programs should meet with a professor as soon as possible in order to adequately prepare for the economics and mathematical rigor of these graduate programs.

Bachelor of Science (B.S.) in Econometrics and Quantitative Economics Degree Requirements

Degree Requirements	Credit Hours
University Core Curriculum Requirements	39
Major Requirements	33
ECON 208 (or equivalent), ECON 240, ECON 241, ECON 340, ECON 341, ECON 463, ECON 465	22
Computer Science and Mathematics Choose three of the following Math and CS courses: Computer Science Courses: CS 202, CS 215, CS 220, CS 221, CS 300, and CS 306 Math Courses: MATH 150 or MATH 151 (but not both), MATH 221, MATH 305, MATH 318, MATH 319, MATH 349, MATH 352, MATH 380, MATH 400 At least three credit hours must come from Math and at least three credit hours must come from Computer Science.	11
Technical Electives	36

Degree Requirements	Credit Hours
Choose courses in fields complementary to the major from: Accounting; Agribusiness Economics; Anthropology; Archeology; Business; Business Analytics; Computer Science*; Economics**, Engineering; Finance; Geography; History; HTEM; ITEC; Journalism; Languages, Cultures, and International Studies (with prefixes CHIN, FL, FR, GER, INTL, JPN, SPAN); Linguistics; Management; Marketing; Mathematics*; Paralegal Studies; Philosophy; Political Science; Psychology; Sociology ¹	
Other Electives	12
	120

¹ **Only Computer Science and Mathematics credit hours above the eleven applied to the major apply to the Technical Electives. **Only Economics courses not specified above apply to the Technical Electives.*

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Catalog Year Statement:

Students starting their collegiate training during the period of time covered by this catalog (see bottom of this page) are subject to the curricular requirements as specified herein. The requirements herein will extend for a seven calendar-year period from the date of entry for baccalaureate programs and three years for associate programs. Should the University change the course requirements contained herein subsequently, students are assured that necessary adjustments will be made so that no additional time is required of them.