Economics – Statistics Joint Major

www.Econ.Pitt.edu and www.Stat.Pitt.edu
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The Economics-Statistics joint major is intended for students who are interested in economics and enjoy modeling and analyzing data. Although the number of such students is not large, there are a few each year who express an interest in pursuing both economics and statistics in a depth suitable for a major. These students are prime candidates for graduate school and want to keep their options open as to which field to enter later. Short of completing two bachelor's degrees, their only option now is to major in one subject and minor in the other. If they later decide to attend graduate school in their minor subject, they are likely to be less competitive for admission to the best departments than if they had majored in that subject. A joint major provides a useful compromise to keep their options open. A joint major in economics and statistics can be excellent training for the more quantitative areas of business, such as forecasting, investment management, actuarial planning, and accounting, health management, and public health, without losing the breadth provided by a liberal arts program. Graduates of the joint major who are interested in these areas will have the requisite skills for further training or for immediate entrance into the job market.

Required courses for the Economics – Statistics joint major

The Economics – Statistics joint major requires the completion of 62 credits distributed as follows.

Economics courses
ECON 0100 Introduction to Microeconomic Theory
ECON 0110 Introduction to Macroeconomic Theory
ECON 1100 Intermediate Microeconomics
ECON 1110 Intermediate Macroeconomics
ECON 1150 Applied Econometrics 1
Two ECON 1000-level electives
One ECON elective *

* Note: ECON courses in the 0800 series do not count toward any Economics major.

The Department of Economics recommends that students take the 1-credit ECON 0900 Economics: Introduction to the Field for Majors.

Statistics courses
STAT 1000 Applied Statistical Methods
STAT 1151 Introduction to Probability
STAT 1152 Introduction to Mathematical Statistics
STAT 1221 Applied Regression
STAT 1223 Applied Regression Written Component
Four elective STAT courses chosen from the 1200 level or above; one of these electives must be from the 1600 level or above, excluding internship and directed study courses.

Note: Students who plan to study statistics at the graduate level are encouraged to take STAT 1631 and STAT 1632.

Mathematics courses
MATH 0220 Analytic Geometry and Calculus 1
MATH 0240 Analytic Geometry and Calculus 3

One of the following courses
MATH 0230 Analytic Geometry and Calculus 2
MATH 0235 Honors 1 Variable Calculus

Note: Students are encouraged to take a course in linear algebra such as MATH 0280, MATH 1180, or MATH 1185.

Grade requirements
A grade of C or better is required in each course that counts toward the major. A minimum GPA of 2.0 in departmental courses is required for graduation.

Satisfactory/No Credit option
No course required for the major may be taken on an S/NC basis.

Writing (W) requirement
Students must complete at least one W-course in the major. STAT 1223 fulfills this requirement.

Honors major requirements
Honors in the Economics – Statistics joint major is granted if the student:
- maintained a GPA of 3.5 or above in all required courses; and
- completed STAT 1631 and STAT 1632.

Advising

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Checklist for the Economics – Statistics joint major

Economics courses
_____ ECON 0100
_____ ECON 0110
_____ ECON 1100
_____ ECON 1110
_____ ECON 1150
_____ ECON 1_____ (1000-level)
_____ ECON 1_____ (1000-level)
_____ ECON _____

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The Department of Economics recommends that students take the 1-credit ECON 0900 Economics: Introduction to the Field for Majors.

Statistics courses
_____ STAT 1000
_____ STAT 1221
_____ STAT 1223
_____ STAT 1151
_____ STAT 1152
_____ STAT 1_____ (1200 level or above)
_____ STAT 1_____ (1200 level or above)
_____ STAT 1_____ (1200 level or above)
_____ STAT 1_____ (1600 level or above)

Mathematics courses
_____ MATH 0220
_____ MATH 0240

One of the following
_____ MATH 0230
_____ MATH 0235