# B.S. SPECIALIZATION IN ECONOMIC ANALYSIS (922)
## 16 FULL COURSES REQUIRED

Before this major can be declared, the student must have:

- **A minimum overall GPA of 2.0**
- **Grades of C or better in both ECON 160 and 162**
- **Grades of B- or better in one of the required statistics courses (#5 below) and calculus courses (#6 below).**

A minimum grade of C or better is require for a course to full major requirements. There is a 2 Fail/Drop policy for Majors. Students who fail to receive a grade of C or better in two attempts at core courses will be dropped from the major. This includes any combination of statistics and/or calculus courses. P/F grades are not allowed (Exception made for Spring 2020 semester only).

***Residency Requirements:***

- *At least 9 of the 16 required courses must be taken at Binghamton.*
- *At least 6 of the economics (ECON) courses, including **4 at the 400 level, must be taken at Binghamton.***

## SEVEN CORE COURSES IN ECONOMICS

| Note when taken | | Course Number and Description |
|---|---|---|
| 1 | | ECON 160 – Principles of Microeconomics |
| 2 | | ECON 162 – Principles of Macroeconomics |
| 3 | | ECON 360 – Microeconomic Theory |
| 4 | | ECON 362 – Macroeconomic Theory |
| 5 | | ECON 366/MATH 147/MATH 148/MATH 448/CQS 112 – Statistics |
| 6 | | ECON 466 – Introduction to Econometrics (may not be counted as a 400-level elective below) |
| 7 | | One of the following courses: ECON 464 Mathematical Economic Analysis, ECON 461 Game Theory, ECON 462 Information Economics, ECON 467 Economic Forecasting, ECON 456 Data Analysis in Economics, or ECON 483K/556 Advanced Data Analysis |

## FOUR CORE COURSES IN MATHEMATICS

| Note when taken | | Course Number and Description |
|---|---|---|
| 8 | | MATH 224 and 225- Differential and Integral Calculus |
| 9 | | MATH 226 and 227- Integration Technique and Infinite Series |
| 10 | | MATH 304- Linear Algebra |
| 11 | | MATH 323- Calculus III |

## THREE FULL ECONOMICS COURSES NUMBERED 400-489

| Note when taken | | Course Number and Description |
|---|---|---|
| 12 | | ECON 4 |
| 13 | | ECON 4 |
| 14 | | ECON 4 |

## TWO FULL COURSES CHOSEN FROM ECON, MATH or CS

- ECON must be above 110 (only one may be 100-level)
- Eligible MATH and CS courses include: MATH 314, 330, 357, 371, 447, 448, 461, 471 or 478; CS 140
- Other MATH and CS courses numbered 300 and above may be substituted with the permission of the Economics Undergraduate Director

| Note when taken | | Course Number and Description |
|---|---|---|
| 15 | | ECON/MATH/CS |
| 16 | | ECON/MATH/CS |