

## 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 AND
- Grades of C or better in both ECON 160 and 162 AND
- Grades of B- or better in one of the required Statistics AND Calculus courses (See #5 and #8 below)

No course for the major may be taken more than twice. This includes any combination of statistics and/or calculus courses. All courses must be completed with a grade of C or better. (calculus and statistics require grades of B- or better).

Students who entered 2012 and thereafter:

- 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.

### **A. SEVEN CORE COURSES IN ECONOMICS**

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 (*MATH 448 here may not be used in D below*)
6. \_\_\_\_ ECON 466 – Introduction to Econometrics (*may not be counted as a 400 level elective below*)
7. \_\_\_\_ One of the following courses (*which may not be counted as a 400 level elective in C below if used here*):
  - ECON 464 – Mathematical Economic Analysis (*rarely offered*)
  - ECON 461 – Game Theory
  - ECON 462 – Information Economics
  - ECON 467 – Economic Forecasting (Note: ECON 466 is a prerequisite)

*Students who fail to receive a grade of C or better in two attempts at core courses will be dropped from the major.*

### **B. FOUR CORE COURSES IN MATHEMATICS**

8. \_\_\_\_ MATH 221 – Calculus I or MATH 224 and 225 - Differential and Integral Calculus
9. \_\_\_\_ MATH 222 – Calculus II or MATH 226 and 227 - Integration Technique and Infinite Series
10. \_\_\_\_ MATH 304 – Linear Algebra
11. \_\_\_\_ MATH 323 – Calculus III

### **C. THREE FULL ECONOMICS COURSES NUMBERED 400-489**

12. \_\_\_\_ ECON 4\_\_\_\_
13. \_\_\_\_ ECON 4\_\_\_\_
14. \_\_\_\_ ECON 4\_\_\_\_

### **D. 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 listed below*
- *Other MATH and CS courses numbered 300 and above may be substituted with the permission of the Economics Undergraduate Director*

15. \_\_\_\_ ECON/MATH/CS \_\_\_\_
16. \_\_\_\_ ECON/MATH/CS \_\_\_\_

○ MATH 314, 330, 357, 371, 447, 448, 461, 471, 478

○ CS 140 (CS 110 is a prerequisite)