

ECONOMICS - STATISTICS MAJOR (declared prior to Spring 2014)
Undergraduate Requirement Check List

General Notes

- 1) This is a check list for your convenience only. It does not replace the bulletin. For details regarding the requirements below, **you must consult the bulletin**.
- 2) You must receive a grade of **C-** or higher in any class taken for major credit. The **ONLY** exception is W1105 Principles which you may take Pass/D/Fail and must receive a “P” grade for it to count towards the major. If you have taken a required class **P/D/F**, then you will be required to **uncover the P**. **After receiving a P, you may not retake a course for a letter grade.**
- 3) You must have all **transfer credits** for economics classes approved by the economics department. For information on what transfer courses will be accepted and how to obtain approval for transfer credits in economics, math and statistics, go to: <http://econ.columbia.edu/transfer-credit-information>.
- 4) **Econ and Math AP/IB/GCE Credits - CC Students:** said credits must appear in your SSOL transcript in order for the department to credit you with the completion of those core courses (Econ W1105, Math V1101-V1102). **GS Students:** Said credits must be noted in your student file in order for the department to credit you with the completion of those core courses.
- 5) You will **not** receive major credit for a course taken before the completion of its pre-requisites.

A. ECONOMICS Requirements

I. Core Courses

All core courses must be completed by the spring semester of your junior year. You may only take a core course during your senior year with written approval of the economics department.

- _____ W1105 Principles of Economics *or AP credits (you must have a grade of 9 or 10 on the AP exam) or IB credits (6 or 7 on the higher level exam)*
- _____ W3211 Intermediate Microeconomics (*Pre-reqs: ECON W1105 and MATH V1201*)
- _____ W3213 Intermediate Macroeconomics (*Pre-reqs: ECON W1105 and MATH V1101*)
- _____ W3412 Introduction to Econometrics (*Pre-reqs: ECON W3211 or W3213; MATHV1201 and STAT W1211*).

List any **departmental approved substitution**(s), including transfer credits, for above requirements.

II. Electives

You must take 2 electives in economics at the 3000 level or above. All electives in the department at the 3000 or 4000 level require BOTH W3211 and W3213 as pre-requisites (and some have additional pre-requisites). Please consult the bulletin for pre-requisites for Barnard elective courses.

Rules for Barnard Electives, Transfer and AP Credits:

The joint major with Statistics must take a minimum of 6 lecture courses in economics (this count does not include courses in math and statistics). Students are required to take a **minimum of 5 lecture courses in the department**. Credits from *Barnard 3000 level electives, departmental approved transfer credits, and AP /IB/GCE*) may be used to fulfill the requirements for the remaining 1 lecture course.

List number of courses taken in the Economics Department: _____ (*minimum = 5*)

	<u>Course No.</u>	<u>Title</u>
1)	_____	_____
2)	_____	_____

III. Seminar

Students must take W4918 Seminar in econometrics.

List any **approved substitution(s)**, including transfer credits, for above requirements.

B. STATISTICS Requirements (Please consult with the Statistics adviser)

I. Required Courses

_____	W1211 Intro to Statistics (<i>with calculus</i>)
_____	W3105 Intro Statistics: Probability Models
_____	W3107 Statistical inference
_____	W3315 (W4315) Linear Regression models

II. Elective Courses

You must take one elective in statistics (excluding W1001, W1111, W2110, SIEO W4150):

<u>Course No.</u>	<u>Title</u>
_____	_____

C. OTHER Requirements

I. Math Requirement

One of the following sequences:

_____	MATH V1101 Calculus I (or AP credits), MATH V1102 Calculus II (or AP credits), MATH V1201 Calculus III, and MATH V2010 Linear Algebra
<i>or</i>	
_____	MATH V1207 and V1208, Honors Math

II. Computer Science Requirement

One of the following:

- _____ W1004 Intro to Computer Science and programming in Java
- _____ W1005 Intro to Computer Science and programming in MATLAB
- _____ W1007 Honors Introduction to Computer Science

Students who have questions about any of the above requirements should first consult the bulletin or the online **FAQ page** at: http://www.columbia.edu/cu/economics/undergraduate/s5_4_3.html
If after consulting the bulletin and the FAQ page you still have questions, then contact: econ-advising@columbia.edu.