

FINANCIAL ECONOMICS - MAJOR
Undergraduate Requirement Check List

Important 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 UN1105 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. GS Students: said credits must be confirmed in writing by your school advisor or included on your transfer credit submission to the department.
- 5) High school math and IB math *Standard-level* exam that exempt students from MATH UN1101, but do not grant college credits must have those missing credits replaced by taking an **additional course** – for details, go to: <https://econ.columbia.edu/undergraduate/requirements-and-forms>
- 6) You will not receive major credit for a course taken before the completion of its pre-requisites.

I. Quantitative Requirements

| Taken | Course | Prerequisites |
|-------|---|------------------------------|
| | MATH UN 1101 Calculus I or MATH UN 1102 Calculus II | None |
| | MATH UN 1201 Calculus III or MATH UN 1205 Accelerated Multivariable Calculus | MATH UN 1101 or MATH UN 1102 |
| | STAT UN 1201 Calc Based Intro to Stats | MATH UN 1101 |

List any **exam credits** (AP, IB etc) or **department approved substitution(s)** (e.g. transfer credits) for the above

Notes

- You may substitute the Honors math sequence (UN 1207 - 1208) for Calculus I and III
- You may substitute a higher level stats course, such as STAT GU 4204 or STAT GU 4001 for STAT UN1201

II. Economics Core Courses

- Students may not take any of the core economics courses concurrently with a senior seminar in economics.
- You must complete all of these courses at least one semester before your planned graduation date. If you are planning to take any of these courses in your penultimate semester, then you must write to the DUS for specific permission to do so.
- You may not take any of the Barnard core economics classes to replace any of the classes listed below

| Taken | Course | Prerequisites |
|-------|---------------------------------|--|
| | UN 1105 Principles of Economics | None |
| | UN 3211 Intermediate Micro | ECON UN 1105 and MATH UN 1201 |
| | UN 3213 Intermediate Macro | ECON UN 1105 and MATH UN 1101 Corequisite: MATH UN 1201 |
| | UN 3412 Econometrics | ECON UN 3211 or ECON 3213, MATH UN 1201 and STAT UN 1201 |

List any **exam credits** (AP, IB etc) or **department approved substitution(s)** (e.g. transfer credits) for the above

III. Finance Core Requirements

- All finance core courses must be completed no later than one semester before graduation.
- At least one of UN 3025 or GU 4280 must be completed prior to taking a senior seminar in economics.
- Students may not transfer both UN 3025 and GU 4280.

| Taken | Course | Prerequisites |
|-------|---|---|
| | UN 2261 Accounting and Finance for Economics or BUSI UN 3013/GU 4013 Financial Accounting or IEOR E 2261 Finance and Accounting | None |
| | UN 3025 Financial Economics | ECON UN 3211, ECON UN 3213 and STAT UN 1201 |
| | GU 4280 Corporate Finance | ECON UN 3211, ECON UN 3213 and STAT UN 1201 |

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

IV. Electives

Four elective courses are required.

- **All electives** must be chosen from the tables below.
- A **minimum of 2** courses must be chosen from the first table of **economics** electives.
- A **maximum of 2** courses may be selected from the second table of **non-economics** electives.
- All electives in the Economics Department at the 3000 or 4000 level require BOTH UN 3211 and UN 3213 as prerequisites (and some have additional pre-requisites). Prerequisites can be found at [Course Prerequisites | Department of Economics at Columbia University](#)

| ECONOMICS Electives: A minimum of 2 of your 4 electives must be chosen from the table below. | | |
|---|---|-----------------------------|
| Taken | Columbia Course Name and Number | Barnard Equivalent (if any) |
| | UN 3265 Money and Banking | |
| | UN 3901 Econ of Education | |
| | UN 3902 Economics of Public Policy | |
| | UN 3952 Macro and Formation of Expectations | |
| | UN 3953 Causes and Consequences of Inequality | |
| | UN 3981 Applied Econometrics | |
| | GU 4020 Econ of Uncertainty | |
| | GU 4213 Advanced Macro | |
| | GU 4251 Industrial Organization | |
| | GU 4260 Market Design | |
| | GU 4330 Economic Policy in the Middle East | |
| | GU 4412 Advanced Econometrics | |
| | GU 4413 Econometrics of Time Series | |

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|--|--------------------------------------|------------------------------------|
| | GU 4415 Game Theory | BC 3080 |
| | GU 4465 Public Economics | BC 3026 |
| | GU 4500 International trade | BC 3047 |
| | GU 4505 International Macro | BC 3038 |
| | GU 4615 Law and economics | |
| | GU 4630 Climate Finance | |
| | GU 4700 Financial Crises | |
| | GU 4710 Finance and the Real Economy | |
| | GU 4720 Empirical Macro and Finance | |
| | GU 4840 Behavioral Econ | BC 3048 |
| | GU 4850 Cognitive Mechanisms | |
| | GU 4860 Behavioral Finance | |
| | No Columbia Equivalent | BC 3014 Entrepreneurship |
| | No Columbia Equivalent | BC 3017 Econ of Bus Org |
| | No Columbia Equivalent | BC 3043 Monetary Theory and Policy |

NON- ECON Electives: A **maximum of 2** of your 4 electives must be chosen from the table below.

| Taken | Course Name and Number |
|-------|--|
| | BUSI UN 3021 Marketing Management |
| | BUSI UN 3701 Strategic Behavior/Strategy Formulation |
| | BUSI UN 3702 Venturing to Change the World |
| | BUSI UN 3703 Leadership in Organizations |
| | BUSI UN 3704 Making History through Venturing |
| | BUSI GU 4337 Investment Strategies |
| | BUSI GU 4518 Foundations of Entrepreneurship |
| | COMS UN 1002 Computing in Context: <u>Finance or Economics Tracks ONLY</u> |
| | HIST UN 2903 History of Finance |
| | IEOR E 4106 Intro to OR: Stochastic Models |
| | IEOR GU 4700 Intro to Financial Engineering |
| | MATH UN 3050 Discrete Time Models in Finance |
| | MATH GR 5010 Intro to Mathematics of Finance |
| | POLS UN 3630 The Politics of International Economic Relations |
| | STAT UN 3201 Math Finance in Continuous Time |
| | STAT GU 4261 Statistical Methods in Finance |

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

Required Number of Courses Taken in the Columbia Department of Economics:

Financial Economics Majors are required to take a **minimum of 5 lecture courses in the department**. These 5 lectures courses will include both economics core and elective lecture courses. In addition, students must take their senior seminar in the department.

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

IV. Seminar

One senior seminar is required from the following:

- ECON GU 4911 Micro, GU 4913 Macro, GU 4918 Econometrics, GU 4999 Senior Honors Seminar (2 semesters) or GU 4921 Political Economy.
- Barnard seminars are not allowed to be taken to fulfill this requirement.
- UN 3211, UN 3213 and UN 3412 are the prerequisites for all seminars. GU4921 has an additional prerequisite of GU4370.
- Financial Econ majors must have completed either UN 3025 or GU 4280 prior to taking a senior seminar.
- Senior Seminar must be taken in the Columbia Economics Department.

| Course Number | Course Name |
|---------------|-------------|
| | |

Students who have **questions** about any of the **above requirements** should first consult the bulletin or the online **FAQ page** at: <https://econ.columbia.edu/undergraduate/student-information/faq/>

If after consulting the bulletin and the FAQ page you still have questions, then contact: econ-advising@columbia.edu.