

# Economics, BS

The Bachelor of Science degree focuses attention on the use of mathematics in economic models in the six core courses and many of the required seven electives. The BS degree allows ample room to take courses such as economic development, game theory, and mathematical economics in addition to more supporting courses in the mathematics and computer science departments. Students considering future doctoral studies in economics are strongly encouraged to pursue a double major in economics (BS) and mathematics (BS) or to choose our combined economics/mathematics major.

## Program Requirements

- Concentrations and course offerings may vary by campus and/or by program modality. Please consult with your advisor or admissions coach for the course availability each term at your campus or within your program modality.
- Certain options within the program may be *required* at certain campuses or for certain program modalities. Please consult with your advisor or admissions coach for requirements at your campus or for your program modality.

Complete all courses listed below unless otherwise indicated. Also complete any corequisite labs, recitations, clinicals, or tools courses where specified and complete any additional courses needed beyond specific college and major requirements to satisfy graduation credit requirements.

## Universitywide Requirements

All undergraduate students are required to complete the Universitywide Requirements (<https://catalog.northeastern.edu/undergraduate/university-academics/university-wide-requirements/>).

## NUpath Requirements

All undergraduate students are required to complete the NUpath Requirements (<https://catalog.northeastern.edu/undergraduate/university-academics/nupath/>).

## Required Courses

| Code                              | Title   | Hours |
|-----------------------------------|---|-------|
| <b>Required Economics Courses</b> |   |       |
| ECON 1115                         | Principles of Macroeconomics                        | 4     |
| ECON 1116                         | Principles of Microeconomics                        | 4     |
| ECON 2315                         | Macroeconomic Theory                                | 4     |
| ECON 2316                         | Microeconomic Theory                                | 4     |
| ECON 2350                         | Statistics for Economists                           | 4     |
| ECON 2560                         | Applied Econometrics                                | 4     |
| <b>Senior Seminar</b>             |   |       |
| ECON 4692<br>or ECON 4997         | Senior Economics Seminar<br>Senior Economics Thesis | 4     |

## Electives

| Code   | Title | Hours |
|--|-------|-------|
| Complete seven courses found in the following ranges, with no more than two at the 1000 level: |       | 28    |
| ECON 1200 to ECON 1999   |       |       |
| ECON 2990 to ECON 3559   |       |       |
| ECON 3561 to ECON 4689   |       |       |
| ECON 4900 to ECON 4996   |       |       |
| ECON 5200 to ECON 5999   |       |       |

*Required core economics courses cannot be counted as electives.*

## Breadth Courses

| Code            | Title  | Hours |
|-----------------|--|-------|
| <b>Calculus</b> |  |       |
| MATH 1231       | Calculus for Business and Economics (It is highly recommended that students who take MATH 1231 take sections devoted to ECON students only.) |       |

|              |   |
|--------------|---|
| or MATH 1241 | Calculus 1  |
| or MATH 1245 | Calculus with Applications                        |
| or MATH 1251 | Calculus and Differential Equations for Biology 1 |
| or MATH 1340 | Intensive Calculus for Engineers                  |
| or MATH 1341 | Calculus 1 for Science and Engineering            |

**Computer Science**

Complete one of the following:

4-5

|                        |   |
|------------------------|---|
| CS 1100<br>and CS 1101 | Computer Science and Its Applications<br>and Lab for CS 1100 *  |
| DS 2000<br>and DS 2001 | Programming with Data<br>and Data Science Programming Practicum |
| MISM 2510              | Fundamentals of Information Analytics                           |

\* Selecting this 5 SH option will add one additional semester hour to the student's degree program.

**Economics Major GPA/Credit Requirement**

Grades in the following 4 Economics courses must average to a minimum of C (2.000):

| Code      | Title                     | Hours |
|-----------|---------------------------|-------|
| ECON 2315 | Macroeconomic Theory      |       |
| ECON 2316 | Microeconomic Theory      |       |
| ECON 2350 | Statistics for Economists |       |
| ECON 2560 | Applied Econometrics      |       |

Complete 64 semester hours in the major.

**Experiential Liberal Arts**All students in this College of Social Sciences and Humanities program are required to complete the Experiential Liberal Arts Requirement (<https://catalog.northeastern.edu/undergraduate/social-sciences-humanities/#ela>).**Program Requirement**

128 total semester hours required

**Plan of Study****Sample Plan of Study: Four Years, Two Co-ops in Summer 2/Fall**

| Year 1  |       |  |       |                   |       |            |          |
|---|-------|--|-------|-------------------|-------|------------|----------|
| Fall  | Hours | Spring   | Hours | Summer 1          | Hours | Summer 2   | Hours    |
| ECON 1000                                     |       | 1 ECON 1116  |       | 4 ECON elective 2 |       | 4 Elective | 4        |
| ECON 1115                                     |       | 4 MISM 2510, CS 1100 <i>and</i><br>CS 1101, or DS 2000 <i>and</i> DS<br>2001 |       | 4-5 Elective      |       | 4 Elective | 4        |
| ENGW 1111                                     |       | 4 ECON elective 1  |       | 4                 |       |            |          |
| MATH 1231, 1241, 1245,<br>1251, 1340, or 1341 |       | 4 Elective   |       | 4                 |       |            |          |
| Elective                                      |       | 4  |       |                   |       |            |          |
|   |       | <b>17</b>  |       | <b>16-17</b>      |       | <b>8</b>   | <b>8</b> |
| Year 2  |       |  |       |                   |       |            |          |
| Fall  | Hours | Spring   | Hours | Summer 1          | Hours | Summer 2   | Hours    |
| ECON 2315                                     |       | 4 ECON 2316  |       | 4 ECON elective 4 |       | 4 Co-op    | 0        |
| ECON 2350                                     |       | 4 EESH 2000  |       | 1 Elective        |       | 4          |          |
| Elective                                      |       | 4 ECON elective 3  |       | 4                 |       |            |          |
| Elective                                      |       | 4 Elective   |       | 4                 |       |            |          |
|   |       | Elective   |       | 4                 |       |            |          |
|   |       | <b>16</b>  |       | <b>17</b>         |       | <b>8</b>   | <b>0</b> |

| Year 3 |          |                   |           |                   |       |          |          |
|--------|----------|-------------------|-----------|-------------------|-------|----------|----------|
| Fall   | Hours    | Spring            | Hours     | Summer 1          | Hours | Summer 2 | Hours    |
| Co-op  | 0        | ECON 2560         |           | 4 ECON elective 6 |       | 4 Co-op  | 0        |
|        |          | ENGW 3308         |           | 4 Elective        |       | 4        |          |
|        |          | ECON elective 5   |           | 4                 |       |          |          |
|        |          | Elective          |           | 4                 |       |          |          |
|        | <b>0</b> |                   |           | <b>16</b>         |       | <b>8</b> | <b>0</b> |
| Year 4 |          |                   |           |                   |       |          |          |
| Fall   | Hours    | Spring            | Hours     |                   |       |          |          |
| Co-op  | 0        | ECON 4692 or 4997 | 4         |                   |       |          |          |
|        |          | ECON elective 7   | 4         |                   |       |          |          |
|        |          | Elective          | 4         |                   |       |          |          |
|        |          | Elective          | 4         |                   |       |          |          |
|        | <b>0</b> |                   | <b>16</b> |                   |       |          |          |

**Total Hours: 130-131**