

Economics Major

Major Requirements

Degree Type: B.A. or B.S.
Minimum Credits Required: 120

University Degree Requirements

For complete details on these and other university degree requirements, refer to the Degree and Graduation Requirements (<http://catalog.ndsu.edu/academic-policies/undergraduate-policies/degree-and-graduation/>) section in the University Catalog.

1. Minimum of 120 semester credits (some programs may exceed this minimum).
2. Complete the University General Education requirements.
3. Minimum institutional GPA of 2.00 based on work taken at NDSU.
4. Minimum of 30 credits in resident at NDSU.
5. Minimum of 36 upper level credits (courses numbered 300 or higher).
6. Students with transfer credit must meet the NDSU 30 credits in residence (#4). Of these 30 credits in residence, a minimum of 15 credits must be in courses numbered 300 or above, and 15 credits must be in the student's declared major curricula.

University General Education Requirements

A list of university approved general education courses along with the administrative policies governing the requirement and the categories is available here (<http://catalog.ndsu.edu/academic-policies/undergraduate-policies/general-education/>).

| Code | Title | Credits |
|--|-------|---------|
| Category C: Communication | | 12 |
| Category R: Quantitative Reasoning | | 3 |
| Category S: Science and Technology | | 10 |
| Category A: Humanities and Fine Arts | | 6 |
| Category B: Social and Behavioral Sciences | | 6 |
| Category W: Wellness | | 2 |
| Category D: Cultural Diversity | | |
| Category G: Global Perspectives | | |
| Category L: Digital Literacy | | |
| Total Credits | | 39 |

Major Requirements for all options

| Code | Title | Credits |
|-----------------------------|--|---------|
| Economics Core Requirements | | |
| ECON 189 | Skills for Academic Success ¹ | 1 |
| ECON 201 | Principles of Microeconomics | 3 |
| ECON 202 | Principles of Macroeconomics | 3 |
| ECON 341 | Intermediate Microeconomics | 3 |
| ECON 343 | Intermediate Macroeconomics | 3 |
| TL 116 | Business Software Applications | 3 |
| Capstone | | 3 |
| ECON 440 | Game Theory and Strategy | |
| ECON 461 | Economic Development | |
| ECON 470 | Public Economics | |
| ECON 475 | Health Economics | |
| ECON 480 | Industrial Organization | |

Program Option: Select one of three options to complete the major. 33-47

1) Standard

2) Quantitative

3) Business Economics

Total Credits**52-66**

¹ ECON 189 is only required for first-time, first-year students—A first-time, first-year student is defined as a student who has not yet completed a college course as a college student. Students that are not first-time, first-year students that either transfer into the university or change their major are not required to take ECON 189. If a student has completed another NDSU [Prefix] 189 course, this will substitute for ECON 189.

Standard Option

NOTE: Students selecting the Standard Option may complete either a Bachelor of Science or a Bachelor of Arts degree.

| Code | Title | Credits |
|---|---|---------|
| Standard Option Requirements | | |
| MATH 144 | Mathematics for Business | 4 |
| STAT 330 or STAT 367 | Introductory Statistics Probability | 3 |
| STAT 331 or ECON 410 | Regression Analysis ² Econometrics | 2-3 |
| Economics Electives | | 15 |
| Select 15 credits from the list below. Students may select no more than 6 credits from the list of approved non-economics courses, including ECON 324 and ECON 356, as part of the 15 credits of economics electives. | | |
| ECON 402 | Economics of Entrepreneurship | |
| ECON 410 | Econometrics ² | |
| ECON 411 | Computational Economics | |
| ECON 440 | Game Theory and Strategy (if not taken as capstone) | |
| ECON 461 | Economic Development (if not taken as capstone) | |
| ECON 465 | Labor Economics | |
| ECON 470 | Public Economics (if not taken as capstone) | |
| ECON 472 | International Trade | |
| ECON 475 | Health Economics (if not taken as capstone) | |
| ECON 476 | Monetary Theory and Policy | |
| ECON 480 | Industrial Organization (if not taken as capstone) | |
| ECON 481 | Natural Resource Economics | |
| ECON 482 | Environmental Economics | |
| Select no more than 6 credits from the following as part of the 15 credits of economics electives: | | |
| AGEC 339 | Quantitative Methods & Decision Making | |
| AGEC 344 | Agricultural Price Analysis | |
| AGEC 346 | Applied Risk Analysis | |
| AGEC 347 | Principles of Real Estate | |
| AGEC 445 | Agribusiness Industrial Strategy | |
| AGEC 446 | Agribusiness Finance | |
| BUSN 487 | Managerial Economics | |
| ECON 324 | Money and Banking | |
| ECON 356 | History of Economic Thought | |
| FIN 410 | Investment Analysis and Management | |
| FIN 420 | Options, Futures, and Other Derivatives | |
| FIN 430 | Management of Financial Institutions | |
| FIN 440 | International Finance | |
| FIN 450 | Advanced Bank Management | |
| FIN 460 | Corporate Finance | |
| Additional Social & Behavioral Requirements | | 6 |

In addition to the 6 credits for general education, students must complete 6 credits of social and behavioral sciences. Three credits must be selected from the current general education list while the remaining 3 credits may be any course with a prefix of: ANTH, CJ, GEOG, POLS, PSYC, or SOC.

Bachelor of Science or Bachelor of Arts Requirements - A student must select either a BS or BA degree. The following requirements apply to the specific degree type selected: 3-16+

Bachelor of Science: Completion of a minor program of study. This minor must be officially declared through the Office of Registration and Records. (Minimum 16 credits)

Bachelor of Arts: Completion of the BA Language Proficiency requirements and 3 credits of 300-400 level humanities, social sciences or a study abroad experience. (Credits for language proficiency will vary depending on placement; 3-14 credits)

Total Credits

33-47

² STAT 331 is waived if ECON 410 is taken.

Quantitative Economics option

NOTE: Students selecting the Quantitative Economics Option complete a Bachelor of Science degree only.

| Code | Title | Credits |
|---|--|--------------|
| Quantitative Economics Option Requirements | | |
| CSCI 122 or CSCI 159 | Visual BASIC Computer Science Problem Solving | 3 |
| ECON 410 or ECON 411 | Econometrics Computational Economics | 3 |
| MATH 165 | Calculus I | 4 |
| MATH 166 | Calculus II | 4 |
| MATH 259 or MATH 265 or CSCI 222 | Multivariate Calculus Calculus III Discrete Mathematics | 3-4 |
| MATH 266 or STAT 368 or CSCI 366 | Introduction to Differential Equations Statistics Database Systems | 3 |
| STAT 367 or STAT 467 | Probability Probability and Mathematical Statistics I | 3 |
| Economics Electives - Select 6 credits from the following 400-level economics electives: | | 6 |
| ECON 402 | Economics of Entrepreneurship | |
| ECON 410 or ECON 411 | Econometrics (May take the opposite course as an elective from what was taken in the quant. econ. option requirements.) Computational Economics | |
| ECON 440 | Game Theory and Strategy (if not used as capstone) | |
| ECON 461 | Economic Development (if not used as capstone) | |
| ECON 465 | Labor Economics | |
| ECON 470 | Public Economics (if not used as capstone) | |
| ECON 472 | International Trade | |
| ECON 475 | Health Economics (if not used as capstone) | |
| ECON 476 | Monetary Theory and Policy | |
| ECON 480 | Industrial Organization (if not used as capstone) | |
| ECON 481 | Natural Resource Economics | |
| ECON 482 | Environmental Economics | |
| Minor Requirement | | |
| Minor in Computer Science, Mathematics or Statistics Required | | 10-14 |
| This option requires the completion of either the computer science, mathematics or statistics minor. Approximately 10-14 credits for any of these minors remains after the completion of the option requirements. The minor must be officially declared through the Office of Registration and Records. | | |
| Total Credits | | 39-44 |

Business Economics option

NOTE: Students selecting the Business Economics Option complete a Bachelor of Science degree only.

| Code | Title | Credits |
|---|--|-----------|
| Business Economics Option Requirements | | |
| ECON 410 | Econometrics | 3 |
| ACCT 200 | Elements of Accounting I | 3 |
| ACCT 201 | Elements of Accounting II | 3 |
| CSCI 122 | Visual BASIC | 3 |
| Economics Electives - Select 9 credits from the following: | | 9 |
| ECON 402 | Economics of Entrepreneurship | |
| ECON 411 | Computational Economics | |
| ECON 440 | Game Theory and Strategy (if not used as capstone) | |
| ECON 461 | Economic Development (if not used as capstone) | |
| ECON 465 | Labor Economics | |
| ECON 470 | Public Economics (if not used as capstone) | |
| ECON 472 | International Trade | |
| ECON 475 | Health Economics (if not used as capstone) | |
| ECON 476 | Monetary Theory and Policy | |
| ECON 480 | Industrial Organization (if not used as capstone) | |
| ECON 481 | Natural Resource Economics | |
| ECON 482 | Environmental Economics | |
| Electives - Select 3 credits from the following: | | 3 |
| BUSN 340 | International Business | |
| BUSN 341 | Global Business Environment | |
| ECON 472 | International Trade | |
| FIN 440 | International Finance | |
| MGMT 440 | International Management | |
| MRKT 440 | International Marketing | |
| Quantitative Tools: Select 3 credits from the following: | | 3 |
| ACCT 420 | Accounting Information Systems | |
| AGEC 339 | Quantitative Methods & Decision Making | |
| Minor Requirement | | |
| Minor in Business Administration, Accounting, Banking or Entrepreneurship Required | | 10 |
| This option requires the completion of a minor in Business Administration, Accounting, Banking, or Entrepreneurship. Approximately 10+ credits for the minor remains after the completion of the option requirements. The minor must be officially declared through the Office of Registration and Records. | | |
| Total Credits | | 37 |

PROGRAM NOTES:

- Students selecting economics must complete the courses in the Core Requirement area and the requirements outlined within one of the identified option areas listed below: 1) Standard Option 2) Quantitative Economics Option or 3) Business Economics Option.
- Students must earn a minimum 2.00 cumulative GPA in courses that satisfy the core requirement and option requirements.