

# Economics

## Department Information

- **Department Web Site:**  
www.ag.ndsu.edu/agecon (<http://www.ag.ndsu.edu/agecon/>)
- **Credential Offered:**  
B.S.; B.A.; Minor
- **Sample Program Guide:**  
[catalog.ndsu.edu/programs-study/undergraduate/economics/#planofstudytext](http://catalog.ndsu.edu/programs-study/undergraduate/economics/#planofstudytext) (<http://catalog.ndsu.edu/programs-study/undergraduate/economics/#planofstudytext>)

## Major Requirements

### Major: Economics

**Degree Type:** B.A. or B.S.

**Minimum Degree Credits to Graduate:** 120

### University Degree Requirements

1. Satisfactory completion of all requirements of the curriculum in which one is enrolled.
2. Earn a minimum total of 120 credits in approved coursework. Some academic programs exceed this minimum.
3. Satisfactory completion of the general education requirements as specified by the university.
4. A minimum institutional GPA of 2.00 based on work taken at NDSU.
5. At least 30 credits must be NDSU resident credits. Resident credits include credits registered and paid for at NDSU.
6. At least 36 credits presented for graduation must be in courses numbered 300 or higher.
7. Students presenting transfer credit must meet the NDSU residence credits and the minimum upper level credit. Of the 30 credits earned in residence, a minimum of 15 semester credits must be in courses numbered 300 or above, and 15 semester credits must be in the student's curricula for their declared major.

For complete information, please refer to the Degree and Graduation Requirements (<http://catalog.ndsu.edu/past-bulletin-archive/2023-24/academic-policies/undergraduate-policies/degree-and-graduation/>) section of this Bulletin.

### University General Education Requirements

Code	Title	Credits
<b>Communication (C)</b>		<b>12</b>
ENGL 110	College Composition I	
ENGL 120	College Composition II	
COMM 110	Fundamentals of Public Speaking	
Upper Division Writing <sup>†</sup>		
<b>Quantitative Reasoning (R) <sup>†</sup></b>		<b>3</b>
<b>Science and Technology (S) <sup>†</sup></b>		<b>10</b>
<b>Humanities and Fine Arts (A) <sup>†</sup></b>		<b>6</b>
<b>Social and Behavioral Sciences (B) <sup>†</sup></b>		<b>6</b>
<b>Wellness (W) <sup>†</sup></b>		<b>2</b>
<b>Cultural Diversity (D) <sup>**†</sup></b>		
<b>Global Perspectives (G) <sup>**†</sup></b>		
<b>Total Credits</b>		<b>39</b>

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May be satisfied by completing courses in another General Education category.

†

General education courses may be used to satisfy requirements for both general education and the major, minor, and program emphases, where applicable. Students should carefully review major requirements to determine if specific courses can also satisfy these general education categories.

- A list of university approved general education courses and administrative policies are available here (<http://catalog.ndsu.edu/past-bulletin-archive/2023-24/academic-policies/undergraduate-policies/general-education/#genedcoursestext>).

## Major Requirements for all options

Code	Title	Credits
<b>Economics Core Requirements</b>		
ECON 189	Skills for Academic Success <sup>1</sup>	1
ECON 201	Principles of Microeconomics	3
ECON 202	Principles of Macroeconomics	3
ECON 211	Introduction to Computational Economics	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		
<b>Total Credits</b>		<b>55-69</b>

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
<b>Standard Option Requirements</b>		
MATH 144	Mathematics for Business	4
STAT 330	Introductory Statistics	3
or STAT 367	Probability	
STAT 331	Regression Analysis <sup>2</sup>	2-3
or ECON 410	Econometrics	
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 <sup>2</sup>	
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)		
<b>Total Credits</b>		<b>33-47</b>

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
<b>Quantitative Economics Option Requirements</b>		
CSCI 122 or CSCI 159	Visual BASIC Computer Science Problem Solving	3
ECON 410	Econometrics	3
ECON 411	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 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

**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****42-47****Business Economics option**

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

Code	Title	Credits
<b>Business Economics Option Requirements</b>		
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.

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**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.

## Minor Requirements

### Minor: Economics

Required Credits: 18

Code	Title	Credits
<b>Required Courses</b>		
ECON 201	Principles of Microeconomics	3
ECON 202	Principles of Macroeconomics	3
ECON 341 or BUSN 487	Intermediate Microeconomics Managerial Economics	3
ECON 343	Intermediate Macroeconomics	3
<b>Elective Courses</b>		
ECON 300-400	Elective	3
ECON 400	Elective	3
<b>Total Credits</b>		<b>18</b>

### Minor Requirements and Notes

- A minimum of 8 credits must be taken at NDSU.
- Students must earn a minimum 2.00 GPA for the minor requirements.
- This minor is not available to Agricultural Economics majors.