

# Economics

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## Department Information

- **Department Location:**  
Richard H. Barry Hall
- **Department Phone:**  
701-231-7441
- **Department Web Site:**  
[www.ag.ndsu.edu/agecon](http://www.ag.ndsu.edu/agecon) (<http://www.ag.ndsu.edu/agecon/>)
- **Credential Offered:**  
B.S.; B.A.
- **Plan Of Study Sample:**  
[bulletin.ndsu.edu/programs-study/undergraduate/economics/#planofstudytext](http://bulletin.ndsu.edu/programs-study/undergraduate/economics/#planofstudytext) (<http://bulletin.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 36 credits presented for graduation must be in courses numbered 300 or higher.
6. Transfer Students: Must earn a minimum of 60 credits from a baccalaureate-degree granting or professional institution.
  - a. Of these 60, at least 36 must be NDSU resident credits as defined in #7.
  - b. Within the 36 resident credits, a minimum of 15 must be in courses numbered 300 or higher and 15 credits in the major field of study.
7. At least 36 credits must be NDSU resident credits. Resident credits include credits registered and paid for at NDSU.

For complete information, please refer to the Degree and Graduation Requirements (<http://catalog.ndsu.edu/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>

- \* 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/academic-policies/undergraduate-policies/general-education/#genedcoursestext>).

## Major Core Requirements for all options

Code	Title	Credits
<b>Core Requirement</b>		
ECON 189	Skills for Academic Success <sup>1</sup>	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
<b>Program Option: Select one of three options from below:</b>		<b>39-54</b>
1) Standard, 2) Quantitative, or 3) Business Economics		
<b>Total Credits</b>		<b>55-70</b>

- <sup>1</sup> 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

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

Code	Title	Credits
<b>Economics Electives: Select 18 credits from the list below. At least 3 of the 18 credits must be from the courses identified as "Approved as Capstone." 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 18 credits of economics electives.</b>		<b>18</b>
ECON 402	Economics of Entrepreneurship	
ECON 410	Econometrics <sup>2</sup>	
ECON 411	Computational Economics	
ECON 440	Game Theory and Strategy (Approved as Capstone)	
ECON 461	Economic Development (Approved as Capstone)	
ECON 465	Labor Economics	
ECON 470	Public Economics (Approved as Capstone)	
ECON 472	International Trade	
ECON 475	Health Economics (Approved as Capstone)	
ECON 476	Monetary Theory and Policy	
ECON 480	Industrial Organization (Approved as Capstone)	
ECON 481	Natural Resource Economics	
ECON 482	Environmental Economics	
Select no more than 6 credits from the following as part of the 18 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	

**Other Requirements**

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	

**Additional Requirements: 9 credits of Humanities & Fine Arts and Social & Behavioral Sciences**

Humanities & Fine Arts: Select 3 credits from the current general education list or any course with the prefix of: ART, CLAS, ENGL, FREN, GERM, HIST, HUM, MUSC, PHIL, SPAN, or THEA 3

Social & Behavioral Sciences: Select a total of 6 credits - 3 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 6

**Bachelor of Science or Bachelor of Arts Degree Requirement: A student must select either a BS or BA degree. The following requirements apply to the specific degree type selected. 3-17**

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 39-54**

<sup>2</sup> STAT 331 is waived if ECON 410 is taken.

**Quantitative Economics option**

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

Code	Title	Credits
<b>Economics Electives: Select 9 credits from the following 400-level economics electives. At least 3 of the 9 credits must be from the courses "Approved as Capstone." Students may select no more than 3 credits from the list of approved non-economics elective courses, including ECON 324 and ECON 356, for the Standard Option as part of the 9 credits of economics electives.</b>		<b>9</b>
ECON 402	Economics of Entrepreneurship	
ECON 411	Computational Economics	
ECON 440	Game Theory and Strategy (Approved as Capstone)	
ECON 461	Economic Development (Approved as Capstone)	
ECON 465	Labor Economics	
ECON 470	Public Economics (Approved as Capstone)	
ECON 472	International Trade	
ECON 475	Health Economics (Approved as Capstone)	
ECON 476	Monetary Theory and Policy	
ECON 480	Industrial Organization (Approved as Capstone)	
ECON 481	Natural Resource Economics	
ECON 482	Environmental Economics	
<b>Other Requirements</b>		
CSCI 122	Visual BASIC	3
or CSCI 159	Computer Science Problem Solving	
ECON 410	Econometrics	3
MATH 165	Calculus I	4
MATH 166	Calculus II	4
MATH 259	Multivariate Calculus	3-4
or MATH 265	Calculus III	

or CSCI 222	Discrete Mathematics	
MATH 266	Introduction to Differential Equations	3
or STAT 368	Statistics	
or CSCI 366	Database Systems	
STAT 367	Probability	3
or STAT 467	Probability and Mathematical Statistics I	
<b>Additional Requirements: 3 credits of Humanities &amp; Fine Arts</b>		<b>3</b>
Humanities & Fine Arts: Select 3 credits from the current general education list or any course with the prefix of: ART, CLAS, ENGL, FREN, GERM, HIST, HUM, MUSC, PHIL, SPAN, or THEA		
<b>Minor in Computer Science, Mathematics or Statistics Required</b>		<b>10-14</b>
This option requires the completion of either the computer science, mathematics or statistics minor. Approximately 10-14 credits for either of these minors remains after the completion of the Other Requirements for this option. The minor must be officially declared through the Office of Registration and Records.		
<b>Total Credits</b>		<b>45-50</b>

## Business Economics option

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

Code	Title	Credits
<b>Economics Electives: Select 12 credits from the following. At least 3 of the 12 credits must be from the courses identified as "Approved as Capstone".</b>		<b>12</b>
ECON 402	Economics of Entrepreneurship	
ECON 411	Computational Economics	
ECON 440	Game Theory and Strategy (Approved as Capstone)	
ECON 461	Economic Development (Approved as Capstone)	
ECON 465	Labor Economics	
ECON 470	Public Economics (Approved as Capstone)	
ECON 472	International Trade	
ECON 475	Health Economics (Approved as Capstone)	
ECON 476	Monetary Theory and Policy	
ECON 480	Industrial Organization (Approved as Capstone)	
ECON 481	Natural Resource Economics	
ECON 482	Environmental Economics	
<b>Other 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
<b>Additional Electives: Select 3 credits from the following</b>		<b>3</b>
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	
<b>Quantitative Tools: Select 3 credits from the following</b>		<b>3</b>
ACCT 420	Accounting Information Systems	
AGEC 339	Quantitative Methods & Decision Making	
MGMT 360	Operations Management	
<b>Additional Requirements: 3 credits of Humanities &amp; Fine Arts</b>		<b>3</b>
Humanities & Fine Arts: Select 3 credits from the current general education list or any course with the prefix of: ART, CLAS, ENGL, FREN, GERM, HIST, HUM, MUSC, PHIL, SPAN, or THEA		
<b>Minor in Business Administration, Accounting or Banking Required</b>		<b>10</b>

This option requires the completion of a minor in business administration, accounting or banking. Approximately 10+ credits for these minors remains after the completion of the Other Requirements for this option. The minor must be officially declared through the Office of Registration and Records.

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**Total Credits** **43**

**PROGRAM NOTES:**

- Students selecting economics must complete the courses in the Core Requirement area (16 cr.) and the requirements outlined within one of the identified option areas listed below: 1] Standard Option (39-54 cr.), 2] Quantitative Economics Option (45-50 cr.), or 3] Business Economics Option (43 cr.).
- 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	Intermediate Microeconomics	3
or BUSN 487	Managerial Economics	
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.