

to enroll for the first required education course, the student must make application to the certification program in the College of Education in Matthews Hall, Room 105.

All state certification requirements and information on required examinations is available on the web site of the State Board for Educator Certification (SBEC), www.sbec.state.tx.us.

Scholarships

The Ann Bradshaw Stokes Award is provided by a grant from the Ann Bradshaw Stokes Foundation. The Gaylord-Hughes Scholarship has been made possible through benefit performances by noted actress Martha Gaylord and by Tom Hughes, late producer and managing director of the Dallas Summer Musicals and a Distinguished Alumnus; by the work of guest artists; and by contributions. The Tony and Linda Altermann Scholarship is made possible through the Tony and Linda Altermann Scholarship Endowment for Theatre and Visual Arts. The scholarship is awarded in even-numbered academic years. Two recently endowed scholarships honoring former department chairs include the Ed DeLatte Scholarship in musical theatre and the Ralph B. Culp Scholarship in directing. The Lucille Murchison Scholarships in dance, costuming and technical theatre are the result of the department's participation in the UNT Centennial Extravaganza. Dance Scholarships are supported by gifts from faculty, students and alumni. The Chun Hui Lee Dance Scholarship is the result of the generosity of Mr. Chun Hui Lee. The Mills Dance Scholarship was established by an alumnus, the late Eugene Mills.

All scholarships are presented to students majoring in the Department of Dance and Theatre during any term/semester or summer session. Each year on announced dates, interested students must audition for the performance awards or submit design portfolios for technical awards available for the summer sessions and the following academic year.

Information is available in the department office in the Radio, TV, Film and Performing Arts Building, Room 242, or from the department web site at www.danceandtheatre.unt.edu.

Organizations

The serious student of dance or theatre may become a member of Alpha Psi Omega, Chi Tau Epsilon, DANCE UNiT and University Players, undergraduate and graduate organizations that serve the dance and theatre department and other university programs.

Courses of Instruction

All Courses of Instruction are located in one section at the back of this catalog.

Course and Subject Guide

The "Course and Subject Guide," found in the Courses of Instruction section of this book, serves as a table of contents and provides quick access to subject areas and prefixes.

Department of Economics

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Advising Offices

Undergraduate, Hickory Hall, Rooms 283E and 286
Graduate, Hickory Hall, Rooms 220E and 283C

Steven L. Cobb, Chair

Faculty

Professor Nieswiadomy. Associate Professors Cobb, Jewell, McPherson, Molina, Rous, Tieslau. Assistant Professors Hauge, M. Kim, Y. Kim. Lecturers Battaglia, Dadres, Ellis, Kwon.

Introduction

The Department of Economics prepares students for career opportunities in the increasingly competitive domestic and global marketplace. The department is committed to a balance of high quality teaching and research. Students benefit from the personal attention of faculty and develop a clear understanding of applications of economic theory to real-world policy issues.

There are more than 59,000 economists in the United States working in three main areas: 42 percent work in business; 37 percent in teaching, research and consulting; and 21 percent in government. Economists work in many fields, including international trade, forecasting, environmental analysis, monetary theory, economic development, insurance, banking, finance, consulting, health care, communications, marketing, law and labor relations.

An undergraduate major in economics is excellent preparation for graduate work in economics, business, law and other fields. An applied approach helps students develop the technical and quantitative

skills necessary for graduate study in many of today's expanding career fields in business and research.

Programs of Study

The department offers undergraduate and graduate programs in the following areas:

- Bachelor of Arts with a major in economics;
- Bachelor of Science in Economics;
- Master of Arts, and
- Master of Science, both with a major in economics;
- Master of Science with a major in labor and industrial relations; and
- Master of Science with a major in economic research.

A Bachelor of Business Administration with a professional field in economics is available through the Department of Finance, Insurance, Real Estate and Law in the College of Business Administration, and is served by advisers in the Department of Economics.

These programs offer students a diversity of options ranging from a liberal arts perspective to a more quantitative technical background.

Bachelor of Science in Economics

Degree Requirements

1. **Hours Required and General/College Requirements:** A minimum of 128 semester hours, of which 42 must be advanced, and fulfillment of degree requirements for the Bachelor of Science degree as specified in the "General University Requirements" in the Academics section of this catalog and the College of Arts and Sciences requirements.
2. **Major Requirements:** Majors must complete at least 30 hours in economics, including ECON 1100-1110, 3550, 3560, 4020 and 4870, plus 12 additional upper-division hours above the 3000 level. To graduate with a BS in Economics, a student must have a GPA of 2.5 in all economics courses (including transfer work). Students may retake UNT economics courses to improve the overall economics GPA. In computing the economics GPA, only the grade in the last repetition of a course will be included. A student must receive at least a C in all economics courses. In addition, a student must receive a C in any prerequisite course before taking the next course in a sequence.
3. **Other Course Requirements:**
 - a. Math Requirement: MATH 1710 and 1720.
 - b. Statistics Requirement: ECON 4630, or MATH 4610 and 4650.
 - c. The College of Arts and Sciences degree requirement of 6 hours of a foreign language may be replaced with 6 hours of mathematics in addition

to MATH 1710 and 1720. The student can choose from MATH 1780, 2510, 2700, 2730, 3410, 3420 and 3610. MATH 4610 and 4650 may be taken to fulfill the statistics requirement and will also count toward the additional 6 hours of mathematics.

4. **Minor:** Optional.
5. **Electives:** See four-year plan.

BS in Economics

Following is one suggested four-year degree plan. Students are encouraged to see their adviser each semester for help with program decisions and enrollment. Students are responsible for meeting all course prerequisites.

FRESHMAN YEAR

FALL	HOURS
ECON 1110, Principles of Macroeconomics (may be used to satisfy Social and Behavioral Sciences requirement*)	3
ENGL 1310, College Writing I*	3
MATH 1710, Calculus I**	4
Elective	3
Wellness*	<u>3</u>
Total	16

SPRING	HOURS
ECON 1100, Principles of Microeconomics	3
ENGL 1320, College Writing II*	3
MATH 1720, Calculus II	3
Communication**	3
Visual and Performing Arts*	<u>3</u>
Total	15

SOPHOMORE YEAR

FALL	HOURS
ECON 3550, Intermediate Micro-Theory	3
ECON 4020, Money and Financial Institutions	3
PSCI 1040, American Government*	3
Elective	3
Natural Sciences**	<u>4</u>
Total	16

SPRING	HOURS
ECON 3560, Intermediate Macro-Theory	3
PSCI 1050, American Government*	3
Elective	3
Humanities*	3
Natural Sciences**	<u>4</u>
Total	16

JUNIOR YEAR

FALL	HOURS
ECON 4630, Research Methods for Economists	3
HIST 2610, United States History to 1865*	3
MATH Elective	3
Elective (advanced)	3
Laboratory Science**	<u>4</u>
Total	16

SPRING	HOURS
HIST 2620, United States History Since 1865*	3
ECON Elective (advanced)	3
MATH Elective	3
Elective (advanced)	3
Literature**	<u>3</u>
Total	15

SENIOR YEAR

FALL	HOURS
ECON 4870, Introduction to Econometrics	3
ECON Elective (advanced)	3
ECON Elective (advanced)	3
Cross-Cultural, Diversity and Global Studies*	3
Elective (advanced)	3
Elective (advanced)	<u>3</u>
Total	18

SPRING	HOURS
ECON Elective (advanced)	3
Elective (advanced)	3
Elective (advanced)	3
Elective (advanced)	3
Elective	1
Elective	<u>3</u>
Total	16

*See the University Core Curriculum section of this catalog for approved list of course options.

** See Arts and Sciences degree requirements section of this catalog for approved list of course options

Actual degree plans/audits may vary depending on availability of courses in a given semester.

Some courses may require prerequisites not listed.

Students may wish to use opportunities for electives to complete a minor of their choice.

Bachelor of Arts with a Major in Economics

Degree Requirements

1. **Hours Required and General/College Requirements:** A minimum of 128 semester hours, of which 42 must be advanced, and fulfillment of degree requirements for the Bachelor of Arts degree as specified in the "General University Requirements" in the Academics section of this catalog and the College of Arts and Sciences requirements.

2. **Major Requirements:** Majors must complete at least 30 hours in economics, including ECON 1100-1110, 3550, 3560, 4020 and 4510, plus 12 additional upper-division hours above the 3000 level. ECON 4630 or appropriate statistics course approved by the department adviser is also required. To graduate with a BA with a major in economics, a student must have a GPA of 2.5 in all economics

courses (including transfer work). Students may retake UNT economics courses to improve the overall economics GPA. In computing the economics GPA, only the grade in the last repetition of a course will be included. A student must receive at least a C in all economics courses. In addition, a student must receive a C in any prerequisite course before taking the next course in a sequence.

3. Other Course Requirements:

- Math Requirement: MATH 1190 or 1400.
- Statistics Requirement: ECON 4630.

4. **Minor:** Optional.

5. **Electives:** See four-year plan.

BA with a Major in Economics

Following is one suggested four-year degree plan. Students are encouraged to see their adviser each semester for help with program decisions and enrollment. Students are responsible for meeting all course prerequisites.

FRESHMAN YEAR

FALL	HOURS
ECON 1110, Principles of Macroeconomics (may be used to satisfy Social and Behavioral Sciences requirement*)	3
ENGL 1310, College Writing I*	3
LANG 2040, Foreign Language (intermediate)**3	
MATH 1400, College Math with Calculus or MATH 1190, Business Calculus**	3
Wellness*	<u>3</u>
Total	15

SPRING	HOURS
ECON 1100, Principles of Microeconomics	3
ENGL 1320, College Writing II*	3
LANG 2050, Foreign Language (intermediate)**3	
Communication**	3
Visual and Performing Arts*	<u>3</u>
Total	15

SOPHOMORE YEAR

FALL	HOURS
ECON 3550, Intermediate Micro-Theory	3
ECON 4020, Money and Financial Institutions	3
PSCI 1040, American Government*	3
Elective	3
Natural Sciences**	<u>4</u>
Total	16

SPRING	HOURS
ECON 3560, Intermediate Macro-Theory	3
PSCI 1050, American Government*	3
Elective	3
Humanities*	3
Natural Sciences**	<u>4</u>
Total	16

JUNIOR YEAR

FALL	HOURS
ECON 4630, Research Methods for Economists	3
HIST 2610, United States History to 1865*	3
Elective	3
Elective	3
Laboratory Science**	4
Total	16

SPRING	HOURS
ECON 4510, History of Economic Thought	3
HIST 2620, United States History Since 1865*	3
ECON Elective (advanced)	3
Elective (advanced)	3
Literature**	3
Total	15

SENIOR YEAR

FALL	HOURS
ECON Elective (advanced)	3
ECON Elective (advanced)	3
Cross-Cultural, Diversity and Global Studies*	3
Elective (advanced)	3
Elective (advanced)	3
Elective	3
Total	18

SPRING	HOURS
ECON Elective (advanced)	3
Elective (advanced)	3
Elective (advanced)	3
Elective (advanced)	3
Elective (advanced)	3
Elective	2
Total	17

*See the *University Core Curriculum* section of this catalog for approved list of course options.

** See *Arts and Sciences degree requirements* section of this catalog for approved list of course options.

Actual degree plans/audits may vary depending on availability of courses in a given semester. Some courses may require prerequisites not listed. Students may wish to use opportunities for electives to complete a minor of their choice.

Bachelor of Business Administration

BBA candidates must complete a minimum of 127 semester hours, 42 of which must be advanced, and meet “General University Requirements” and “University Core Curriculum Requirements” as stated in the Academics section of this catalog, and general course and curriculum requirements of the College of Business Administration. The professional field in economics is planned with the economics undergraduate adviser and includes ECON 3550, 3560 and 4020; 9 additional advanced economics

hours; and 12 hours of approved supporting courses, including FINA 4500.

Minor in Economics

Requirements for an economics minor are ECON 1100-1110, plus 12 additional hours of upper-division courses (3000- or 4000-level).

Graduate Degrees

The Master of Arts and Master of Science with a major in economics and the Master of Science with majors in economic research or labor and industrial relations are offered through this department. For information, consult the *Graduate Catalog*.

Scholarships

Scholarship applications are available online and in Hickory Hall, Room 254. The deadline for applying is the end of February. Scholarship winners are announced in the spring.

Sam Barton Labor and Industrial Relations Scholarship

This scholarship, named in honor of Professor Sam Barton, distinguished labor scholar and former UNT economics faculty member, is awarded to an outstanding graduate student majoring in labor and industrial relations.

To be eligible, students must have a minimum GPA of 3.0 on all college work. Graduate students must meet current academic admissions standards for the GRE or GMAT. If the applicant is a continuing student, performance in labor and industrial relations and economics classes will be part of the criteria for selection.

The number and amount of the awards depend upon the availability of funding.

Abe Melton Scholarship

The department annually awards this scholarship based on merit to an economics major. The scholarship is named in honor of Professor Abe Melton, former UNT economics faculty member and former department chair.

To be eligible, a student must be an economics major of junior standing (60 credit hours) and have a minimum 3.5 grade point average.

Tom Preston Economics Scholarship

This scholarship is named in honor of Tom Preston, former dean, College of Arts and Sciences, and is awarded to outstanding undergraduate and graduate economics majors.

Students who have declared economics as their major are eligible, including entering freshmen and entering graduate students.

To be eligible, an undergraduate student must have a minimum GPA of 3.0 and a minimum SAT of 1100 recentered (or a minimum ACT of 24). A graduate student must have a 3.0 GPA on all college work and must meet current admissions standards for the GRE or GMAT.

The amount and number of awards depend on the availability of funding.

Department of Economics Scholarships for Academic Excellence

Scholarships are awarded to outstanding undergraduate and graduate economics majors.

Students who have declared economics as their major are eligible, including entering freshmen and entering graduate students.

To be eligible, an undergraduate student must have a minimum GPA of 3.0. A graduate student must have a 3.0 GPA on all college work and must meet current admissions standards for the GRE or GMAT.

The amount and number of awards depend on the availability of funding.

Rising Eagle Scholarship

This scholarship is for current economics majors who are graduating with a BA/BS/BBA in Economics and are **applying for our master's program in Economics**. Students must have a minimum 3.0 average and have made application to the graduate school. The number and amount of awards depend on the availability of funding.

Lewis M. Abernathy Scholarship

This scholarship, named in honor of Professor Lewis Abernathy, retired UNT economics faculty member and distinguished department chairman, is awarded to full time undergraduate or graduate majors in economics.

To be eligible, an undergraduate student must have a minimum GPA of 3.0. A graduate student must have a 3.0 GPA on all college work and must meet current economics admissions standards for the GRE or GMAT.

The amount and number of awards depend on the availability of funding.

Center for Economic Education

Steven L. Cobb, Director

The Center for Economic Education is committed to making formal instruction in economics more accessible to educators.

The center maintains an in-service teacher training program of course offerings regularly scheduled during evening hours and in the summer. This program provides a mechanism for the in-service training of economics teachers in community colleges and secondary and elementary schools.

In addition to these regional instructional programs, the center develops instructional material, conducts research in economics education, maintains an instructional resource center and provides technical assistance in matters pertaining to instruction in economics.

Graduate Degree

The center directs a professional program leading to the Master of Science degree with a major in economics and a support area in economic education. The degree program is designed in consultation with the director of the center and the graduate adviser. For information on graduate study, consult the *Graduate Catalog*.

Center for International Economic Studies and Research

David J. Molina, Co-Director

Michael A. McPherson, Co-Director

The Center for International Economic Studies and Research has three primary objectives.

The first is to promote research through the acquisition of external funding for projects focusing on the socioeconomic problems of Asia, Africa, Central and Eastern Europe, and Latin America.

The center also coordinates undergraduate and graduate programs within existing departments for students interested in problems of these regions.

Beyond the campus, the center develops relationships with other institutions, both public and private, for the exchange of scholars and students, as well as joint research and conferences.

Center for Environmental Economic Studies and Research

Michael L. Nieswiadomy, Director

The Center for Environmental Economic Studies and Research promotes the use of economic tools to analyze environmental issues. The center also coordinates undergraduate major programs within existing departments for students interested in environmental topics. The center cooperates with other universities, educational institutions and government agencies to promote research and seminars on environmental economics for the public.

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