ONLINE MASTER'S IN ECONOMETRICS

LEVERAGE DATA TO DRIVE CHANGE

DELIVERY FORMAT 100% Online	**TIME TO COMPLETE** 18+ months	**CREDIT HOURS** 30
TIME COMMITMENT 10 to 20 hours weekly	**START DATES** Fall & Spring	**COST** Earning your master's in Econometrics delivers a fast, high-impact return on investment by equipping you with specialized skills that position you as a strategic decision-maker. Tuition for the program is $845 per credit hour, totaling $25,350 for the full 30-credit-hour degree. Books and additional materials are not included.

AT A GLANCE

Unlock the power of data-driven decision making with the University of Oklahoma's fully online Master of Arts in Econometrics. In today's data-first economy, organizations urgently need professionals who can turn complex economic data into clear, actionable insights that fuel business success.

In as few as 18 months, you will be ready to step into high-demand roles across a wide range of industries, including finance, healthcare, government, and beyond.

WHAT CAN I DO WITH THE DEGREE?

The online Econometrics master's program focuses on applying advanced statistical methods to economics, finance, and the social sciences—unlocking career opportunities across a wide range of industries. Graduates are prepared to lead in sectors such as:

- International trade
- Finance
- Government
- Professional scientific services
- Technical services
- Retail trade
- Public administration
- Supply chain management

INDUSTRY INSIGHTS

- Median Pay: $115,440
- Job Outlook: Employment for economists is expected to grow 5% by 2033
- Job Openings: 1,000 openings for economists are projected each year, on average, over the next decade

Source: U.S. Bureau of Labor Statistics

PROGRAM OUTCOMES: WHAT YOU'LL LEARN

The online master's in econometrics equips you with the advanced tools to solve real-world economic challenges, make data-backed decisions, and communicate insights with clarity and impact.

- Analyze large, complex economic and business data sets using advanced statistical modeling and econometric techniques to uncover trends, patterns, and insights that drive strategic decisions, policy development, and planning across industries
- Select and apply the right advanced statistical and econometric models to solve real-world problems in finance, healthcare, government, retail, supply chain, and more
- Communicate technical findings, data-driven insights, and economic concepts through compelling data visualizations, clear written reports, and engaging presentations tailored to both expert and general audiences

TO APPLY: HTTPS://ONLINE.OU.EDU/ADMISSIONS/GRADUATE/

FOR MORE INFO: HTTPS://ONLINE.OU.EDU/PROGRAM/MA-IN-ECONOMETRICS/

COURSE DETAILS

The Econometrics online program consistently emphasizes the powerful connections between traditional econometric techniques and cutting-edge advancements in artificial intelligence and machine learning.

Elective courses deepen your expertise in econometrics and coding by exploring real-world applications in high-impact fields such as health economics, environmental economics, government and public policy, international trade and finance, and more.

COURSE STRUCTURE

You'll complete 30 credit hours across 10 courses, taking at least two courses per semester to meet financial aid requirements. You'll take two courses per semester. Spring and Fall courses run for 16 weeks, while Summer courses run for 14 weeks.

Each course will contain both asynchronous and synchronous components. Each course will use Zoom for weekly synchronous sessions:

- Fall and Spring
  - Sessions will be held on Tuesday – Thursday from 7:00–8:30 pm CT
- Summer
  - Session will be held on Tuesday – Thursday 7:00–9:00 pm CT

Synchronous sessions are optional for students and will be recorded for playback.

You can expect a time commitment of 10 to 20 hours on average per week for two courses.

MATHEMATICAL ECONOMICS I

Credit Hours: 3

Investigation of several important models of economic activity. Emphasis on methods of analysis and interpretation involving construction of mathematical models reflecting the economic substance of these models. Implications for economic policy are considered.

ADVANCED ECONOMETRICS

Credit Hours: 3

Measurement of micro- and macro-economic relations, both static and dynamic. Comparative statics and dynamics; practical use of inference from non-experimental data. Identification and estimation problems.

DATA VISUALIZATION AND ANALYSIS WITH PYTHON

Credit Hours: 3

Students will acquire essential skills for transforming data into meaningful visualizations and performing data analysis using Python. Emphasizing the creation of clear and elegant graphs from data, students will delve into the art of exploratory data visualization. Additionally, the course covers regression analysis and fundamental classification methods, demonstrating their real-world applications through hands-on experience with real data sets.

MACHINE LEARNING AND CAUSAL INFERENCE

Credit Hours: 3

This course explores the convergence of machine learning and causal inference, equipping students with the necessary skills to leverage the power of machine learning while investigating causal relationships in their analyses. It encompasses core machine learning techniques such as model selection, prediction, tree-based classification, and neural networks.

ECONOMETRICS II

Credit Hours: 3

Examines topics and techniques in applied econometric analysis. Course topics include limited dependent variables, sample selection bias, systems of equations, and the use of econometric software.

DATA SCIENCE FOR ECONOMISTS

Credit Hours: 3

This class will provide an overview of the data science workflow, from collecting raw data to drawing a set of insights from which a decision maker can make informed decisions. The course will broadly cover a variety of advances in data collection, data storage, visualization, machine learning, and econometrics topics, as well as teaching and reinforcing good programming practices.

ECONOMETRICS III

Credit Hours: 3

Topics and techniques in advanced econometric methods including time-series analysis and/or panel data analysis. May include applications in time-series econometrics such as ARMA models and VAR techniques; and applications in panel data econometrics including fixed effects, random effects and dynamic models.

LABOR ECONOMICS I

Credit Hours: 3

This course is the first of a two-course sequence. Students will learn current research and theory at the frontier of labor economics. The basics of labor supply, demand, and equilibrium to build a basic theoretical foundation for research in labor economics will be covered. Field topics including immigration, education, discrimination, and marijuana legalization will be introduced.

SEMINAR IN GROWTH

Credit Hours: 3

Endogenous growth theory, recent work on growth success and failures, regime switching models of growth, the effects of crises on long run performance, and the role of the IMF and World Bank in development. Other topics may include financial crises, corruption, etc.

SEMINAR IN PUBLIC ECONOMICS

Credit Hours: 3

Survey of recent literature in the economics of public finance. Recent theoretical and empirical research will be examined.

WHY CHOOSE OU ONLINE FOR A MASTER'S IN ECONOMETRICS

OU Online delivers high-quality, affordable undergraduate and graduate programs in a flexible, fully online format—backed by the reputation of a top-tier public institution. The online master's in Econometrics is thoughtfully designed to provide comprehensive training in data analysis, coding, machine learning, quantitative research, economic modeling, and other in-demand skills.

FACULTY EXPERTISE

Learn from distinguished faculty with deep expertise and real-world insight into the evolving field of econometrics.

ROBUST STUDENT SUPPORT

OU Online offers a full suite of student support services, including academic advising, online tutoring, mental health counseling, and career development resources. The program is built to support working professionals, allowing you to advance your education while maintaining full-time employment.

GLOBAL ALUMNI NETWORK

Join a global community of more than 250,000 OU alumni. As a Sooner, you gain access to a powerful network of professionals leading in finance, government, business, and beyond.

COST & FINANCIAL AID

Earning your master's in Econometrics is a powerful investment in your future, and OU Online is committed to keeping that investment clear, accessible, and worthwhile.

Students pay $845 per credit hour*, bringing the total tuition to $25,350 for the 30-credit-hour program. Books and additional materials are not included.

Financial aid, scholarships, and employer tuition assistance may be available to help reduce your out-of-pocket costs. For questions about financial aid for your online program, contact the Online Aid office at onlineaid@ou.edu or 405-325-2929.

A nonrefundable deposit of $350 is required upon admission to secure your place in the program. This deposit guarantees your spot in your first semester of courses and will be applied toward your first semester's tuition.

** Please be aware that tuition and fees may change, as determined by the Oklahoma State Regents for Higher Education.*

LEARN MORE ABOUT FINANCIAL AID: HTTPS://ONLINE.OU.EDU/COST-AND-AID/GRADUATE/

TAKE THE NEXT STEP

To apply to the Online Master of Arts in Econometrics program, applicants must hold a bachelor's degree from a regionally accredited U.S. institution or an international equivalent and submit an online application, official transcripts from all undergraduate and graduate institutions, a 300–500 word personal statement outlining career goals, and a professional resume detailing education and relevant work experience. Applicants whose first language is not English must provide TOEFL or IELTS scores.

APPLICATION TIMELINE

The admissions committee reviews applications on a rolling basis. Admissions remain open until two weeks before the start of classes, giving you flexibility to apply when the time is right.

A nonrefundable deposit of $350 is required upon admission to secure your place in the program. This deposit guarantees your spot in your first semester of courses and will be applied toward your first semester's tuition.

STEP 1	STEP 2	STEP 3
Contact an Enrollment Coach to discuss your qualifications and interest in the program.	Complete the online application at https://gograd.ou.edu/apply/	Provide supplemental materials, including a resume, official college transcripts, and a personal statement.

TO APPLY: HTTPS://GOGRAD.OU.EDU/APPLY/